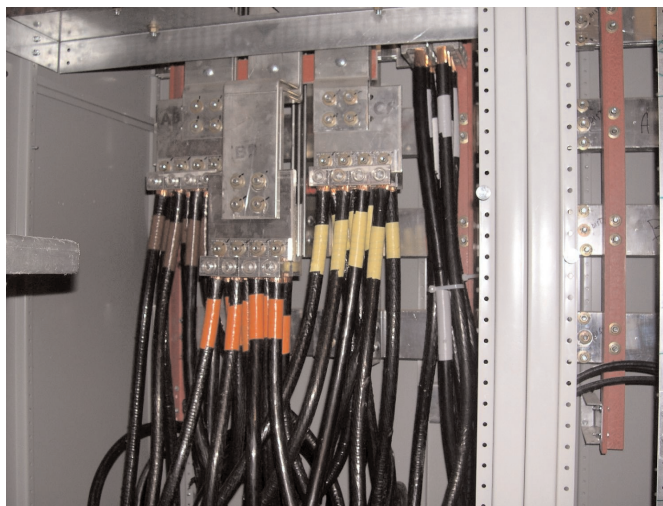


## Medium Voltage Terminations, 5 kV–46 kV

Over 30 years ago, 3M pioneered cold shrink technology. Since then, field use and laboratory analysis have repeatedly proven its merits and reliability. Through constant innovation, we have refined cold shrink products making them better than ever. They're easier to apply and built to withstand some of the most punishing environmental conditions. Enhanced performance at a lower installed cost continues to make 3M the preferred choice for cold shrink solutions.



3M™ Cold Shrink QT-II and QT-III Terminations are designed using 3M developed track-resistant silicone rubber and Hi-K stress control material in conjunction with 3M's unique cold shrink delivery system.

The QT-II and the QT-III terminations are supplied prestretched on a removable core. Removal of the core (unwind) after positioning the termination allows the product to shrink into position, providing a tight seal. 3M cold shrink terminations offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable.

QT-II and QT-III cold shrink silicone rubber is specifically formulated as a high track-resistant material with hydrophobicity (water repelling action) to virtually ensure a long life expectancy.

These cold shrink terminations are lightweight for either free-hanging or bracket mounting arrangements. 3M offers you two options for choosing a cold shrink termination. The QT-III termination utilizes the latest technology with built-in Hi-K stress controlling mastic and environmental sealing mastic resulting in a much more user-friendly application. The QT-II termination offers some of the same advantages as the QT-III termination but without a few of the time-saving features that the QT-III termination possesses.

All terminations meet or exceed IEEE 48 requirements.

# Technology Features

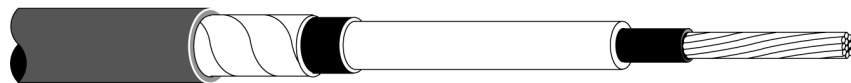
Technology	Installation Time (1-5, 1=Fastest)	Installation Ease (1-5, 1=Easiest)	Application Range (1-5, 1=Greatest)	Top Seal Mastic and Semicon Filling Mastic Pre-loaded Inside Termination	Indoor/Outdoor
3M™ Cold Shrink QT-III Termination	1	1	1	Yes	Both
3M™ Cold Shrink QT-II Termination	2	2	1	No	Both
Tape	3	3	2	No	Both

## Section

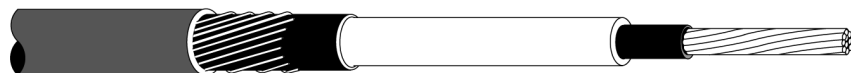
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# Cable Types for Terminating



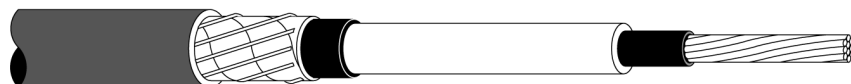
Tape Shielded Cable



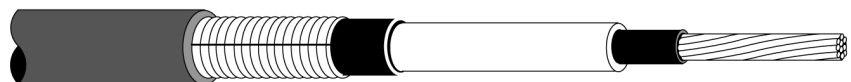
Wire Shielded Cable



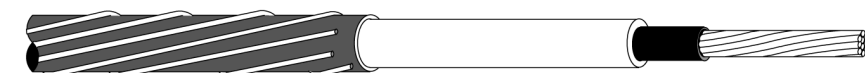
UniShield® Cable



Wire Over Tape Shielded Cable



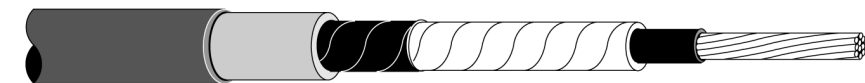
LC Shielded Cable



Concentric Neutral (CN) Cable



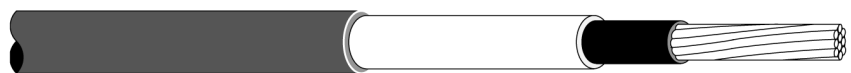
Jacketed Concentric Neutral (JCN) Cable



Paper Insulated Lead Covered (PILC) Cable



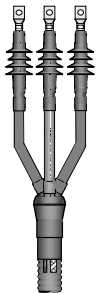
Non-Shielded (Dry) Cable



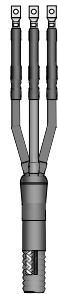
Non-Shielded (Wet or Dry) Cable

## Termination Type Selection Guide for 3M™ Three Conductor Cable 7600 Series

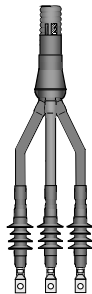
Kit Series	Insulator Configuration	Installation Environment	Orientation	For Cable Type(s) (With or Without Ground Wires)
7600-S-3G	Skirted	Outdoor	Normal	With ground wires
7600-T-3G	Tubular	Indoor	Normal	With ground wires
7690-S-INV-3G	Skirted	Outdoor	Inverted	With ground wires
7600-S-3-RJS	Skirted	Indoor-Cabinet Mount (No Breakout Boot)	Normal	With or without ground wires
7600-T-3-RJS	Tubular	Indoor-Cabinet Mount (No Breakout Boot)	Normal	With or without ground wires
7690-S-INV-3-RJS	Skirted	Indoor-Cabinet Mount (No Breakout Boot)	Inverted	With or without ground wires
7600-S-3W	Skirted	Outdoor	Normal	Without ground wires
7600-T-3W	Tubular	Indoor	Normal	Without ground wires
7690-S-INV-3W	Skirted	Outdoor	Inverted	Without ground wires



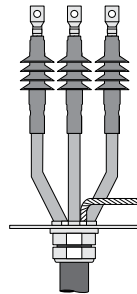
7600-S-3G



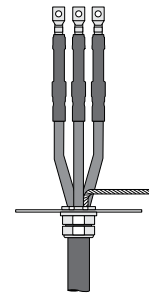
7600-T-3G



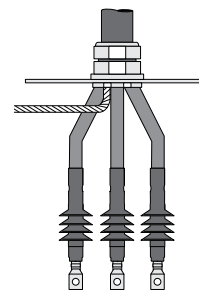
7690-S-INV-3G



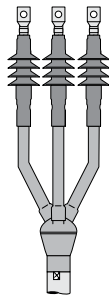
7600-S-3-RJS



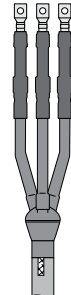
7600-T-3-RJS



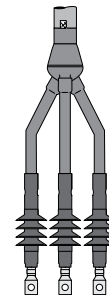
7690-S-INV-3-RJS



7600-S-3W



7600-T-3W



7690-S-INV-3W

## Termination Kit Selection Guide

Products	Technology				Shielding Type						Core			Indoor/ Outdoor		
	3M™ Cold Shrink QT-III	3M™ Cold Shrink QT-II	Tape	PILC	CN	JCN	Tape Shield	Wire Shield	UniShield®	Longitudinally Corrugated	Wire-Over-Tape Shield	Nonshielded	Single Core		Three Core	Indoor
3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7640-T and 7650-T Series for 5-35 kV	X						X								X	
3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7640-S, 7650-S, & 7660-S Series for 5-35 kV	X					X	X									X
3M™ Cold Shrink QT-III Silicone Rubber Termination Kit with Jumper Wire Top Insulator* 7640-S & 7650-S Series for 5-25/28 kV	X					X	X									X
3M™ Cold Shrink QT-III Inverted Termination Kits 7640-S-INV & 7650-S-INV Series for 5-35 kV (One Termination per Kit)	X					X	X									X
3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7620-T & 7690-T Series for 5-35 kV	X						X	X						X		
3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7620-S, 7680-S & 7690-S Series for 5-35 kV	X						X	X						X		
3M™ Cold Shrink QT-III Silicone Rubber Inverted Termination Kit 7620-S & 7690-S Series for 5-35 kV	X						X	X						X		
3M™ Cold Shrink QT-III Termination Kit 7600-T-3-RJS Series for 5-35 kV	X						X	X						X		
3M™ Cold Shrink QT-III Termination Kit 7600-T-3G Series for 5-35 kV	X						X	X						X		
3M™ Cold Shrink QT-III Termination Kit 7600-T-3W Series for 5-35 kV	X						X	X						X		
3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7600-S-3G Series for 5-35 kV	X						X	X								X
3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7600-S-3RJS Series for 5-35 kV	X						X	X								X
3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7600-S-3W Series for 5-35 kV	X						X	X								X
3M™ Cold Shrink QT-III Silicone Rubber Inverted Termination Kit 7600-S-4-INV-3G Series for 5-25 kV	X						X	X								X
3M™ Cold Shrink QT-III Silicone Rubber Inverted Termination Kit 7600-S-INV-3RJS Series for 5-25/28 kV	X						X	X								X
3M™ Cold Shrink QT-III Silicone Rubber Inverted Termination Kit 7600-S-INV-3W Series - 4 Skirt, for 5-25/28 kV	X						X	X								X
3M™ Cold Shrink QT-III Silicone Rubber Termination 7640-T-HSG and 7650-T-HSG Series for 5-35 kV	X						X	X						X		
3M™ Cold Shrink QT-III High Fault Current Termination Kit 7650-S-HSG & 7660-S-HSG Series for 5-35 kV	X						X	X						X		
3M™ Cold Shrink QT-III High Fault Cable Kits with High Ampacity Ground Connections 7650-S-HSG and 7660-S-HSG Series for 5-35 kV	X						X	X						X		

## Termination Kit Selection Guide

Products	Technology		Shielding Type						Core		Indoor/ Outdoor			
	Tape	PILC	CN	JCN	Tape Shield	Wire Shield	UniShield®	Longitudinally Corrugated	Wire-Over-Tape Shield	Nonshielded		Single Core	Three Core	Indoor
3M™ Cold Shrink QT-II Silicone Rubber Termination Kits 5670 Series for 15 kV	X												X	
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 5640 & 5650 Series - 4-Skirt, for 15 kV	X			X										X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 5640 & 5650 Series - 6-Skirt, for 15-25/28 kV	X			X										X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 5640 & 5650 Series - 8-Skirt, for 15-35 kV	X			X										X
3M™ Cold Shrink QT-II Termination Kit 5600 & 5680 Series - 4 Skirt, for 5-15 kV	X			X										X
3M™ Cold Shrink QT-II Termination Kit 5600 & 5680 Series - 6 Skirt, for 5-35 kV	X			X										X
3M™ Cold Shrink QT-II Termination Kit 5600 & 5680 Series - 8 Skirt, for 5-35 kV	X			X										X
3M™ PILC Silicone Rubber Termination Kits 5800-Pb Series - 4 Skirt, for 15 kV	X									X				X
3M™ PILC Silicone Rubber Termination Kits 5800-Pb Series - 6 Skirt, for 15-25/28 kV	X									X				X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 5620K Series for 5-15 kV	X									X				X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 6020K Series for 15-25/28 kV	X									X				X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 5630K Series - 4 Skirt, for 5-15 kV	X									X				X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 5690K Series - 6 Skirt, for 15-25/28 kV	X									X				X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 5690K Series - 8 Skirt, for 15-35 kV	X									X				X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 4604 & 4605 Series for 46 kV	X									X				X
3M™ Cold Shrink QT-II Silicone Rubber Termination Kits 5610-A Series for 5 and 8 kV Non-Shielded Cables	X												X	X
Scotch® Tape Termination Kits 5700 Series for 5-25/28 kV														X

# 3M™ Medium Voltage Terminations for JCN and CN Cable, 5 kV – 35 kV

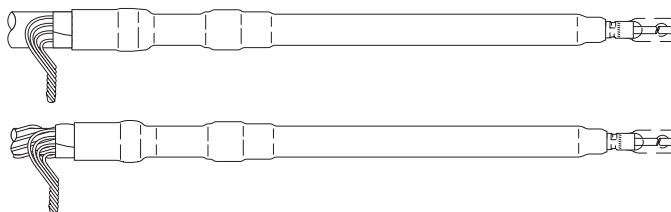
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3M™ Cold Shrink QT-II Termination Kit 5600 & 5680 Series – 4 Skirt, for 5-15 kV.....	256
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3M™ Cold Shrink QT-II Termination Kit 5600 & 5680 Series – 8 Skirt, for 5-35 kV.....	258

## 3M™ Cold Shrink QT-III Termination Kit 7640-T & 7650-T Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7640-T and 7650-T Series contain one-piece, non-skirted, silicone rubber terminations, qualified as IEEE Standard 48 Class 1 for indoor and weather-protected applications. The termination assemblies consist of a tubular insulator, high-dielectric constant (Hi-K) stress control tube, conformable Hi-K stress controlling compound and built-in environmental top seal. The insulator is made of a dark gray silicone rubber with excellent tracking resistance and hydrophobic properties. The complete assembly is pre-stretched and loaded onto a removable core which can be recycled. The kits are designed for terminating jacketed concentric neutral (JCN) and concentric neutral (CN) power cables rated 5–35 kV.

Each kit contains sufficient quantities of material to make one single-phase termination. Lugs need to be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Jacketed Concentric Neutral (JCN), Concentric Neutral (CN)
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	0
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV 35 kV
<b>Lug/Stem Connector Included in Kit</b>	No
<b>Packaging</b>	1 kit per case (one termination per kit)

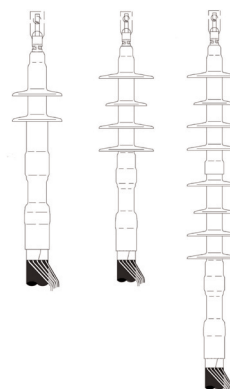


Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 5 kV	Conductor Size 8 kV	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 35 kV
7642-T-110	054007-41764	110 kV	12.0" (305 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm <sup>2</sup> )	-	-
7644-T-110	054007-41766	110 kV	12.0" (305 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm <sup>2</sup> )	-	-
7645-T-110	054007-41768	110 kV	12.0" (305 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm <sup>2</sup> )	-	-
7646-T-110	054007-41770	110 kV	12.0" (305 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	-	-
7653-T-150	054007-41772	150 kV	16" (406 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )	2-2/0 AWG (35-70 mm <sup>2</sup> )
7655-T-150	054007-41774	150 kV	16" (406 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1250 kcmil (240-625 mm <sup>2</sup> )	250-800 kcmil (150-400 mm <sup>2</sup> )	3/0 AWG-600 kcmil (95-325 mm <sup>2</sup> )
7656-T-150	054007-41776	150 kV	16" (406 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	900-1750 kcmil (500-800 mm <sup>2</sup> )	700-1500 kcmil (400-725 mm <sup>2</sup> )



## 3M™ Cold Shrink QT-III Termination Kit 7640-S, 7650-S, & 7660-S Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7640-S, 7650-S and 7660-S Series contain one-piece, skirted, silicone rubber terminations, qualified as IEEE Standard 48 Class 1 for outdoor weather-exposed applications. The termination assemblies consist of a skirted insulator, high-dielectric constant (Hi-K) stress control tube, conformable Hi-K stress controlling compound and built-in environmental top seal. The insulator is made of a dark gray silicone rubber with excellent tracking resistance and hydrophobic properties. The complete assembly is prestretched and loaded onto a removable core which can be recycled. The kits are designed for terminating jacketed concentric neutral (JCN) and concentric neutral (CN) power cables rated 5–35 kV. Each kit contains sufficient quantities of material to make one single-phase termination. Lugs need to be ordered separately.



<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Jacketed Concentric Neutral (JCN), Concentric Neutral (CN)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one termination per kit)

Order No.	UPC	Skirts	BIL	Max. Installed Length	Insulation O.D. Range	Cond. Size 5 kV	Cond. Size 8 kV	Cond. Size 15 kV	Cond. Size 25/28 kV	Cond. Size 35 kV
7642-S-2	054007-42011	2	110 kV	9.80" (249 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm <sup>2</sup> )	-	-
7652-S-4	054007-42178	4	150 kV	12.25" (311 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm <sup>2</sup> )	2-1/0 AWG (35-50 mm <sup>2</sup> )	-
7653-S-4	054007-42192	4	150 kV	12.25" (311 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )	-
7654-S-4	054007-42203	4	150 kV	12.25" (311 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm <sup>2</sup> )	2/0 AWG-250 kcmil (70-150 mm <sup>2</sup> )	-
7655-S-4	054007-42208	4	150 kV	12.25" (311 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm <sup>2</sup> )	250-800 kcmil (150-400 mm <sup>2</sup> )	-
7656-S-4	054007-42210	4	150 kV	13.25" (337 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	900-1750 kcmil (500-800 mm <sup>2</sup> )	-
7663-S-8	054007-42433	8	200 kV	20.50" (521 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )	2-2/0 AWG (35-70 mm <sup>2</sup> )
7664-S-8	054007-42447	8	200 kV	20.50" (521 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm <sup>2</sup> )	2/0 AWG-250 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )
7665-S-8	054007-42461	8	200 kV	20.50" (521 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm <sup>2</sup> )	250-800 kcmil (150-400 mm <sup>2</sup> )	3/0 AWG-600 kcmil (95-325 mm <sup>2</sup> )
7666-S-8	054007-42463	8	200 kV	21.50" (546 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	900-1750 kcmil (500-800 mm <sup>2</sup> )	700-1500 kcmil (400-725 mm <sup>2</sup> )

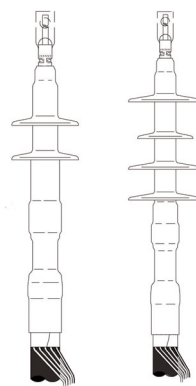
## 3M™ Cold Shrink QT-III Termination Kit with Jumper Wire Top Insulator 7640-S & 7650-S Series for 5-25/28 kV

3M™ Cold Shrink QT-III Silicone Rubber Termination Kit with Jumper Wire Top Insulator\* 7640-S & 7650-S Series offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable. The unique step-core design combined with the built in Hi-K stress control and environmental sealing compounds means simpler installation on all types of cable. It has UV stability and track and erosion resistance. Plus its Hi-K stress control design delivers excellent BIL performance and lower surface stress resulting in a more compact termination. Through excellent engineering, 3M™ Cold Shrink QT-III Outdoor Terminations deliver maximum performance.

Each kit contains sufficient quantities of material to make one termination. Lugs need to be ordered separately.

\*Top insulator is a cold shrink silicone rubber tube provided on a removable core for easy installation on a jumper wire. Provides additional circuit protection against animal damage (i.e. squirrels) and environmental corrosion.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Jacketed Concentric Neutral (JCN), Concentric Neutral (CN)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV
<b>Lug Included in Kit (Cu Cond. Only)</b>	No (for Al conductor), Yes (for Cu conductor)
<b>Packaging</b>	1 kit per case (one termination per kit)



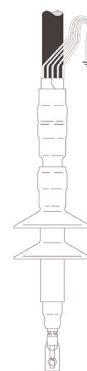
Order No.	UPC	Skirts	BIL	Max. Installed Length	Insulation O.D. Range	Jacket O.D.	Connector & Drop Wire O.D.	Cond. Size 5 kV	Cond. Size 8 kV	Cond. Size 15 kV	Cond. Size 25/28 kV
7642-S-2-TI	051128-54114	2	110 kV	15.8" (401 mm)	0.64"-1.08" (16,3-27,4 mm)	0.97"-1.48" (24,6-37,6 mm)	0.22"-1.31" (5,6-33,3 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm²)	-
7652-S-4-TI	054007-43409	4	150 kV	12.25" (311 mm)	0.64"-1.08" (16,3-27,4 mm)	0.97"-1.48" (24,6-37,6 mm)	0.22"-1.31" (5,6-33,3 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm²)	2-1/0 AWG (35-50 mm²)
7653-S-4-TI	054007-43410	4	150 kV	12.25" (311 mm)	0.72"-1.29" (18,3-32,8 mm)	1.04"-1.60" (26,4-40,6 mm)	0.22"-1.31" (5,6-33,3 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm²)	2-4/0 AWG (35-120 mm²)
7654-S-4-TI	054007-43411	4	150 kV	12.25" (311 mm)	0.83"-1.53" (21,1-38,9 mm)	1.12"-1.87" (28,4-47,5 mm)	0.24"-1.60" (6,1-40,6 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm²)	2/0 AWG-250 kcmil (70-150 mm²)
7655-S-4-TI	054007-43412	4	150 kV	12.25" (311 mm)	1.05"-1.80" (26,7-45,7 mm)	1.39"-2.40" (35,3-61,0 mm)	0.32"-2.20" (8,1-55,9 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm²)	250-800 kcmil (150-400 mm²)
7656-S-4-TI	054007-43413	4	150 kV	13.25" (337 mm)	1.53"-2.32" (38,9-58,9 mm)	1.84"-2.80" (46,8-71,1 mm)	0.60"-2.80" (15,2-71,1 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (630-1000 mm²)	900-1750 kcmil (500-800 mm²)

## 3M™ Cold Shrink QT-III Inverted Termination Kits 7640-S-INV & 7650-S-INV Series for 5-35 kV

For applications where the cable will be mounted pointing down, the 3M™ Cold Shrink QT-III Inverted Termination Kits 7640-S-INV and 7650-S-INV Series offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable. The unique step-core design combined with the built in Hi-K stress control and environmental sealing compounds means simpler installation on all types of cable. It has UV stability and track and erosion resistance. Plus its Hi-K stress control design delivers excellent BIL performance and lower surface stress resulting in a more compact termination. Through excellent engineering, 3M™ Cold Shrink QT-III terminations deliver maximum performance. Designed for terminating jacketed concentric neutral (JCN) and concentric neutral (CN) power cables rated 5–35 kV.

Each kit makes one termination. Lugs need to be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Concentric Neutral (CN), Jacketed Concentric Neutral (JCN)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



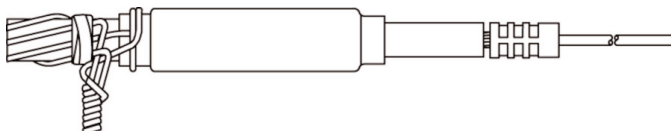
Order No.	UPC	Skirts	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 5 kV	Conductor Size 8 kV	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 35 kV
7642-S-INV-2	054007-04622	2	110 kV	12.0" (305 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm <sup>2</sup> )	-	-
7653-S-INV-4	054007-04625	4	200 kV	16.0" (406 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )	2-2/0 AWG (35-70 mm <sup>2</sup> )
7655-S-INV-4	054007-04623	4	200 kV	16.0" (406 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm <sup>2</sup> )	250-800 kcmil (150-400 mm <sup>2</sup> )	3/0 AWG-600 kcmil (95-325 mm <sup>2</sup> )
7656-S-INV-4	054007-04624	4	200 kV	16.0" (406 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	900-1750 kcmil (500-800 mm <sup>2</sup> )	700-1500 kcmil (400-725 mm <sup>2</sup> )

## 3M™ Cold Shrink QT-II Termination Kits 5670 Series for 15 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kits 5671 and 5672 are one piece, 15 kV, non-skirted terminations classified as IEEE Standard 48, Class 3 Terminations. They consist of a High-K (high dielectric constant) stress control tube insulated with a silicone rubber insulator, pre-stretched together onto a removable cold-shrink core. The kits are designed for terminating 15 kV rated concentric neutral (CN) or jacketed concentric neutral (JCN) power cables.

Each kit contains sufficient quantities of material to make one termination. Lugs must be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Jacketed Concentric Neutral (JCN), Concentric Neutral (CN)
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	0
<b>Voltage</b>	15 kV
<b>Packaging</b>	10 kits per case (one termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 15 kV	Lug/Stem Connector Included in Kit
5671	054007-33798	110 kV	6.25" (159 mm)	0.64"-1.12" (16,2-28,4 mm)	2 AWG-250 kcmil (35-120 mm <sup>2</sup> )	No
5672	054007-33799	110 kV	6.5" (165 mm)	0.94"-1.81" (23,8-46,0 mm)	250-1000 kcmil (150-500 mm <sup>2</sup> )	No

## 3M™ Cold Shrink QT-II Termination Kit 5640 & 5650 Series - 4-Skirt, for 15 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kits 5640 and 5650 are one-piece cold shrink terminations for jacketed concentric neutral (JCN) power cable. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M QT-II consists of a high dielectric constant (High-K) stress control tube insulated with a molded silicone skirted insulator. This four skirt design is rated 15 kV.

Each kit contains sufficient material to make one termination. Lugs may, or may not, be included in a specific kit. Details are provided regarding lug/connector contents.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Jacketed Concentric Neutral (JCN)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	4
<b>Voltage</b>	15 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



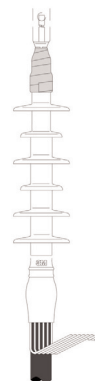
Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Cable Jacket O.D.	Conductor Size 15 kV	Lug/Stem Connector Included in Kit	Additional Kit Contents
5641	054007-11963	110 kV	10.0" (254 mm)	0.64"-1.12" (16,3-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	2-2/0 AWG (35-60 mm <sup>2</sup> )	No	-
5641-1/0	054007-11964	110 kV	10.0" (254 mm)	0.64"-1.12" (16,2-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	1/0 AWG	Yes	(1) SC0010 Stem Connector
5641-1/0-MB3	054007-70501	110 kV	10.0" (254 mm)	0.64"-1.12" (16,3-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	1/0 AWG	Yes	(1) SC0010 Stem Connector, (1) MB3 Mounting Bracket
5641-2/0	054007-11967	110 kV	10.0" (254 mm)	0.64"-1.12" (16,3-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	2/0 AWG	Yes	(1) SC0020 Stem Connector
5641-2	054007-11965	110 kV	10.0" (254 mm)	0.64"-1.12" (16,3-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	2 AWG	Yes	(1) SC0001 Stem Connector
5641-22	054007-11968	110 kV	10.0" (254 mm)	0.64"-1.12" (16,3-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	2 AWG Solid 4 AWG Stranded	Yes	(1) SC0002 Stem Connector
5642	054007-11970	110 kV	10.0" (254 mm)	0.84"-1.38" (21,3-35,1 mm)	1.19"-1.72" (30,2-43,6 mm)	3/0 AWG- 350 kcmil (95-180 mm <sup>2</sup> )	No	-
5642-4/0	054007-11971	110 kV	10.0" (254 mm)	0.84"-1.38" (21,3-35,1 mm)	1.19"-1.72" (30,2-43,7 mm)	4/0 AWG	Yes	(1) SC0040 Stem Connector
5643	054007-11972	110 kV	11.0" (279 mm)	1.08"-1.80" (27,4-45,7 mm)	1.37"-2.02" (34,8-51,3 mm)	400-600 kcmil (240-325 mm <sup>2</sup> )	No	-
5644	054007-11973	110 kV	11.25" (286 mm)	1.31"-2.10" (33,3-53,3 mm)	1.62"-2.55" (41,2-64,8 mm)	700-1500 kcmil (400-725 mm <sup>2</sup> )	No	-

## 3M™ Cold Shrink QT-II Termination Kit 5640 & 5650 Series - 6-Skirt, for 15-25/28 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kits 5640 and 5650 are one-piece cold shrink terminations for jacketed concentric neutral (JCN) power cable. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M QT-II termination consists of a high dielectric constant (High-K) stress control tube insulated with a molded silicone skirted insulator. This six skirt design is rated 25/28 kV.

Each kit contains sufficient material to make one termination. Lugs may, or may not, be included in a specific kit. Details are provided regarding lug/connector contents.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Jacketed Concentric Neutral (JCN)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	6
<b>Voltage</b>	15 kV, 25/28 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Cable Jacket O.D.	Conductor Size 15 kV	Conductor Size 25/28 kV	Additional Kit Contents
5651	054007-09132	150 kV	13.0" (330 mm)	0.64"-1.12" (16,3-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	2-2/0 AWG (35-60 mm <sup>2</sup> )	2-1/0 AWG (35-50 mm <sup>2</sup> )	–
5651-1/0	054007-70527	150 kV	13.0" (330 mm)	0.64"-1.12" (16,3-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	1/0 AWG	1/0 AWG	(1) SC0010 Stem Connector
5651-2	054007-70528	150 kV	13.0" (330 mm)	0.64"-1.12" (16,3-28,4 mm)	0.93"-1.35" (23,6-34,3 mm)	2 AWG	2 AWG	(1) SC0001 Stem Connector
5652	054007-69791	150 kV	13.0" (330 mm)	0.84"-1.38" (21,3-35,1 mm)	1.19"-1.72" (30,2-43,6 mm)	3/0 AWG-350 kcmil (95-150 mm <sup>2</sup> )	1/0 AWG-250 kcmil (60-120 mm <sup>2</sup> )	–
5652-1/0	054007-04818	150 kV	13.0" (330 mm)	0.84"-1.38" (21,3-35,1 mm)	1.19"-1.72" (30,2-43,6 mm)	–	1/0 AWG	(1) SC0010 Stem Connector
5652-4/0	054007-50757	150 kV	13.0" (330 mm)	0.84"-1.38" (21,3-35,1 mm)	1.19"-1.72" (30,2-43,6 mm)	4/0 AWG	4/0 AWG	(1) SC0040 Stem Connector
5653	054007-69792	150 kV	14.5" (368 mm)	1.08"-1.80" (27,4-45,7 mm)	1.37"-2.02" (34,8-51,3 mm)	400-700 kcmil (240-325 mm <sup>2</sup> )	250-500 kcmil (150-250 mm <sup>2</sup> )	–
5654	054007-69793	150 kV	14.75" (375 mm)	1.31"-2.10" (33,3-53,3 mm)	1.62"-2.55" (41,2-64,8 mm)	750-1500 kcmil (400-725 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )	–

## 3M™ Cold Shrink QT-II Termination Kit 5640 & 5650 Series - 8-Skirt, for 15-35 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kits 5640 and 5650 are one-piece cold shrink terminations for jacketed concentric neutral (JCN) power cable. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M QT-II termination consists of a high dielectric constant (High-K) stress control tube insulated with a molded silicone skirted insulator. This eight skirt design is rated 35 kV.

Each kit contains sufficient material to make one termination. Lugs may, or may not, be included in a specific kit. Details are provided regarding lug/connector contents.

\* Shielding type for kit QT-II 5649 is tape shield.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Jacketed Concentric Neutral (JCN), *Tape Shield
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	8
<b>Voltage</b>	15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



Order No.	UPC	Shielding Type	BIL	Max. Installed Length	Insulation O.D. Range	Cable Jacket O.D.	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 35 kV	Additional Kit Contents
5646	054007-11975	JCN	200 kV	17.5" (444 mm)	0.84"-1.38" (21,3-35,1 mm)	1.19"-1.72" (30,2-43,6 mm)	3/0 AWG-350 kcmil (95-150 mm <sup>2</sup> )	1/0 AWG-250 kcmil (60-120 mm <sup>2</sup> )	1-3/0 AWG (50-80 mm <sup>2</sup> )	–
5646-1/0	054007-70507	JCN	200 kV	17.5" (444 mm)	0.84"-1.38" (21,3-35,1 mm)	1.19"-1.72" (30,2-43,6 mm)	–	1/0 AWG	1/0 AWG	(1) SC0010 Stem Connector
5646-1/0-MB4	054007-70508	JCN	200 kV	17.5" (444 mm)	0.84"-1.38" (21,3-35,1 mm)	1.19"-1.72" (30,2-43,6 mm)	–	1/0 AWG	1/0 AWG	(1) SC0010 Stem Connector (1) MB4 Mounting Bracket
5647	054007-11976	JCN	200 kV	19.5" (495 mm)	1.08"-1.80" (27,4-45,7 mm)	1.37"-2.02" (34,8-51,3 mm)	400-700 kcmil (240-325 mm <sup>2</sup> )	250-500 kcmil (150-250 mm <sup>2</sup> )	4/0 AWG-300 kcmil (120-150 mm <sup>2</sup> )	–
5647-4/0	054007-70512	JCN	200 kV	19.5" (495 mm)	1.08"-1.80" (27,4-45,7 mm)	1.37"-2.02" (34,8-51,3 mm)	–	–	4/0 AWG	(1) SC0040 Stem Connector
5648	054007-11977	JCN	200 kV	19.75" (501 mm)	1.31"-2.10" (33,3-53,3 mm)	1.62"-2.55" (41,2-64,8 mm)	750-1500 kcmil (400-725 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )	350-1000 kcmil (185-500 mm <sup>2</sup> )	–
5649*	054007-09958	Tape Shield	200 kV	21.0" (533 mm)	1.80"-2.30" (45,7-58,4 mm)	2.10"-2.75" (53,4-69,8 mm)	–	–	1000-1500 kcmil (600-725 mm <sup>2</sup> )	–

JCN and CN Cable, 5–35 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Non-Jacketed Concentric Neutral (CN) Kits

### 3M™ Cold Shrink QT-II Termination Kit 5600 & 5680 Series – 4 Skirt, for 5-15 kV

The 3M™ Cold Shrink QT-II Outdoor Termination Kits 5600 and 5680 contain one-piece silicone rubber terminations designed for concentric neutral (CN) cable. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M termination consists of a high dielectric-constant (High-K) stress control tube insulated with a molded silicone skirted insulator.

Each kit makes one termination. Lugs may, or may not, be included in a specific kit. Details are provided regarding lug/connector contents.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Concentric Neutral (CN)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	4
<b>Voltage</b>	5 kV, 8 kV, 15 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 5 kV 100%	Conductor Size 5 kV 133% / 8 kV 100%	Conductor Size 8 kV 133%	Conductor Size 15 kV	Additional Kit Contents
5601	054007-02427	110 kV	8.50" (216 mm)	0.64"-1.12" (16,3-28,4 mm)	3/0 AWG-500 kcmil (95-250 mm <sup>2</sup> )	2/0 AWG-500 kcmil (70-250 mm <sup>2</sup> )	1/0 AWG-350 kcmil (60-150 mm <sup>2</sup> )	2-4/0 AWG (35-100 mm <sup>2</sup> )	-
5601-1/0	054007-02422	110 kV	8.50" (216 mm)	0.64"-1.12" (16,3-28,4 mm)	-	-	1/0 AWG	1/0 AWG	(1) SC0010 Stem Connector
5601-2	054007-13550	110 kV	8.50" (216 mm)	0.64"-1.12" (16,3-28,4 mm)	-	-	-	2 AWG	(1) SC0001 Stem Connector
5601-2/0	054007-02423	110 kV	8.50" (216 mm)	0.64"-1.12" (16,3-28,4 mm)	-	2/0 AWG	2/0 AWG	2/0 AWG	(1) SC0020 Stem Connector
5601-4/0	054007-13544	110 kV	8.50" (216 mm)	0.64"-1.12" (16,3-28,4 mm)	4/0 AWG	4/0 AWG	4/0 AWG	4/0 AWG	(1) SC0040 Stem Connector
5602	054007-11882	110 kV	8.50" (216 mm)	0.84"-1.38" (21,3-35,1 mm)	350-750 kcmil (185-325 mm <sup>2</sup> )	350-750 kcmil (185-325 mm <sup>2</sup> )	250-750 kcmil (150-325 mm <sup>2</sup> )	250-500 kcmil (150-250 mm <sup>2</sup> )	-
5603	054007-11885	110 kV	9.50" (241 mm)	1.08"-1.80" (27,4-45,7 mm)	750-1000 kcmil (400-500 mm <sup>2</sup> )	750-1500 kcmil (400-725 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )	-



JCN and CN Cable, 5–35 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Non-Jacketed Concentric Neutral (CN) Kits

## 3M™ Cold Shrink QT-II Termination Kit 5600 & 5680 Series – 6 Skirt, for 5-35 kV

The 3M™ Cold Shrink QT-II Outdoor Termination Kits 5600 and 5680 contain one-piece silicone rubber terminations designed for concentric neutral (CN) cable. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M termination consists of a high dielectric-constant (High-K) stress control tube insulated with a molded silicone skirted insulator.

Each kit has sufficient material to make one termination. Lugs may, or may not, be included in a specific kit. Details are provided regarding lug/connector contents.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Concentric Neutral (CN)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	6
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



	5681	5681-1/0	5681-2
UPC	054007-09133	054007-70491	054007-70492
BIL	150 kV	150 kV	150 kV
Max. Installed Length	11.50" (292 mm)	11.50" (292 mm)	11.50" (292 mm)
Insulation O.D. Range	0.64"-1.12" (16,3-28,4 mm)	0.64"-1.12" (16,3-28,4 mm)	0.64"-1.12" (16,3-28,4 mm)
Conductor Size 5 kV 100%	3/0 AWG-500 kcmil (95-250 mm <sup>2</sup> )	-	-
Conductor Size 5 kV 133%: 8 kV 100%	2/0 AWG-500 kcmil (70-250 mm <sup>2</sup> )	-	-
Conductor Size 8 kV 133%	1/0 AWG-350 kcmil (60-150 mm <sup>2</sup> )	1/0 AWG	-
Conductor Size 15 kV	4-4/0 AWG (22-100 mm <sup>2</sup> )	1/0 AWG	2 AWG
Conductor Size 25/28 kV	4-2/0 AWG (22-60 mm <sup>2</sup> )	1/0 AWG	2 AWG
Conductor Size 35 kV	-	-	-
Additional Kit Contents	-	(1) SC0010 Stem Connector	(1) SC0001 Stem Connector
	5682	5683	5684
UPC	054007-69794	054007-69795	054007-69796
BIL	150 kV	150 kV	150 kV
Max. Installed Length	11.50" (292 mm)	13.00" (330 mm)	13.25" (337 mm)
Insulation O.D. Range	0.84"-1.38" (21,3-35,1 mm)	1.08"-1.80" (27,4-45,7 mm)	1.31"-2.10" (33,3-53,3 mm)
Conductor Size 5 kV 100%	350-750 kcmil (185-325 mm <sup>2</sup> )	750-1000 kcmil (400-500 mm <sup>2</sup> )	-
Conductor Size 5 kV 133%: 8 kV 100%	350-750 kcmil (185-325 mm <sup>2</sup> )	750-1500 kcmil (400-725 mm <sup>2</sup> )	-
Conductor Size 8 kV 133%	250-750 kcmil (150-325 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )	-
Conductor Size 15 kV	250-500 kcmil (150-250 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )	1000-1750 kcmil (500-850 mm <sup>2</sup> )
Conductor Size 25/28 kV	1/0 AWG-350 kcmil (60-150 mm <sup>2</sup> )	350-750 kcmil (185-325 mm <sup>2</sup> )	750-1500 kcmil (400-725 mm <sup>2</sup> )
Conductor Size 35 kV	1-4/0 AWG (50-100 mm <sup>2</sup> )	4/0 AWG-500 kcmil (120-250 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )
Additional Kit Contents	-	-	-

JCN and CN Cable, 5–35 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Non-Jacketed Concentric Neutral (CN) Kits

## 3M™ Cold Shrink QT-II Termination Kit 5600 & 5680 Series – 8 Skirt, for 5-35 kV

The 3M™ Cold Shrink QT-II Outdoor Termination Kits 5600 and 5680 contain one-piece silicone rubber terminations designed for concentric neutral (CN) cable. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M termination consists of a high dielectric-constant (High-K) stress control tube insulated with a molded silicone skirted insulator.

Each kit contains sufficient material to make one termination. Lugs must be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Concentric Neutral (CN)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	8
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



	5604	5605	5606
UPC	054007-08002	054007-11888	054007-11893
BIL	200 kV	200 kV	200 kV
Max. Installed Length	16.00" (406 mm)	16.00" (406 mm)	18.00" (457 mm)
Insulation O.D. Range	0.64"-1.12" (16,3-28,4 mm)	0.84"-1.38" (21,3-35,1 mm)	1.08"-1.80" (27,4-45,7 mm)
Conductor Size 5 kV 100%	3/0 AWG-500 kcmil (95-250 mm <sup>2</sup> )	350-750 kcmil (185-325 mm <sup>2</sup> )	750-1000 kcmil (400-500 mm <sup>2</sup> )
Conductor Size 5 kV 133%: 8 kV 100%	2/0 AWG-500 kcmil (70-250 mm <sup>2</sup> )	350-750 kcmil (185-325 mm <sup>2</sup> )	750-1500 kcmil (400-725 mm <sup>2</sup> )
Conductor Size 8 kV 133%	1/0 AWG-350 kcmil (60-150 mm <sup>2</sup> )	250-750 kcmil (150-325 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )
Conductor Size 15 kV	4-4/0 AWG (22-100 mm <sup>2</sup> )	250-500 kcmil (150-250 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )
Conductor Size 25/28 kV	4-2/0 AWG (22-60 mm <sup>2</sup> )	1/0 AWG-350 kcmil (60-150 mm <sup>2</sup> )	350-750 kcmil (185-325 mm <sup>2</sup> )
Conductor Size 35 kV	2-1/0 AWG (30-50 mm <sup>2</sup> )	1-4/0 AWG (50-100 mm <sup>2</sup> )	4/0 AWG-500 kcmil (120-250 mm <sup>2</sup> )
	5607	5608	
UPC	054007-11897	054007-09168	
BIL	200 kV	200 kV	
Max. Installed Length	18.25" (464 mm)	19.50" (495 mm)	
Insulation O.D. Range	1.31"-2.10" (33,3-53,3 mm)	1.80"-2.75" (45,7-69,8 mm)	
Conductor Size 5 kV 100%	-	-	
Conductor Size 5 kV 133%: 8 kV 100%	-	-	
Conductor Size 8 kV 133%	-	-	
Conductor Size 15 kV	1000-1750 kcmil (600-850 mm <sup>2</sup> )	1500-2000 kcmil (800-1000 mm <sup>2</sup> )	
Conductor Size 25/28 kV	750-1500 kcmil (325-725 mm <sup>2</sup> )	1250-2000 kcmil (725-1000 mm <sup>2</sup> )	
Conductor Size 35 kV	500-1250 kcmil (300-625 mm <sup>2</sup> )	1000-2000 kcmil (600-1000 mm <sup>2</sup> )	

# 3M™ Medium Voltage Terminations for PILC Cable, 15 kV – 25/28 kV

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PILC Cable, 15–25/28 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Kits (can be used for indoor applications also)

## 3M™ PILC Termination Kits 5800-Pb Series – 4 Skirt, for 15 kV

The 3M™ PILC Silicone Rubber Termination Kits 5800-Pb Series are designed for oil/paper insulated power cable. They meet the requirements of IEEE Standard 48, for Class 1 terminations and applicable sections of IEEE 404. The 3M QT-II termination consists of a high dielectric constant (High-K) stress control tube insulated with a molded silicone skirted insulator. There is a four-skirt design rated 15 kV and a six-skirt design rated 25/28 kV. To ensure a positive oil seal and to conform with pressure test requirements, a sealed terminal lug or connector must be used with the 5800-Pb series kits.

Each kit contains sufficient quantities of material to make one termination. These kits can be specified with or without sealed copper lugs (see selection table).

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Paper Insulated Lead Covered (PILC)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	4
<b>Voltage</b>	15 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 15 kV	Conductor Size Stranded	Conductor Size Solid	Lug/Stem Connector Included in Kit
5801-Pb	054007-50448	110 kV	17.25" (438 mm)	0.59"-0.90" (14,9-22,9 mm)	4-2/0 AWG (22-60 mm <sup>2</sup> )	-	-	-
5801-Pb-2	054007-50451	110 kV	17.25" (438 mm)	0.59"-0.90" (14,9-22,9 mm)	-	2 AWG	1 AWG	OS-0001 (1-Hole)
5801-Pb-1/0	054007-50449	110 kV	17.25" (438 mm)	0.59"-0.90" (14,9-22,9 mm)	-	1/0 AWG	2/0 AWG	OS-0010 (1-Hole)
5801-Pb-2/0	054007-50450	110 kV	17.25" (438 mm)	0.59"-0.90" (14,9-22,9 mm)	-	2/0 AWG	3/0 AWG	OS-0020 (1-Hole)
5802-Pb	054007-50452	110 kV	17.25" (438 mm)	0.71"-1.01" (18,0-25,6 mm)	2/0 AWG-250 kcmil (70-120 mm <sup>2</sup> )	-	-	-
5802-Pb-4/0	054007-50454	110 kV	17.25" (438 mm)	0.71"-1.01" (18,0-25,6 mm)	-	4/0 AWG	250 kcmil	OS-0040 (1-Hole)
5802-Pb-250	054007-50455	110 kV	17.25" (438 mm)	0.71"-1.01" (18,0-25,6 mm)	-	250 kcmil	-	OS-0250 (2-Hole)
5803-Pb	054007-50456	110 kV	18.25" (464 mm)	0.94"-1.36" (23,9-34,5 mm)	350-600 kcmil (185-300 mm <sup>2</sup> )	-	-	-
5803-Pb-350	054007-50457	110 kV	18.25" (464 mm)	0.94"-1.36" (23,9-34,5 mm)	-	350 kcmil	-	OS-0350 (2-Hole)
5803-Pb-500	054007-50458	110 kV	18.25" (464 mm)	0.94"-1.36" (23,9-34,5 mm)	-	500 kcmil	-	OS-0500 (2-Hole)
5804-Pb	054007-50459	110 kV	18.50" (464 mm)	1.20"-1.90" (30,5-48,2 mm)	750-1250 kcmil (400-625 mm <sup>2</sup> )	-	-	-

PILC Cable, 15-25/28 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Kits (can be used for indoor applications also)

## 3M™ PILC Termination Kits 5800-Pb Series – 6 Skirt, for 15-25/28 kV

The 3M™ PILC Silicone Rubber Termination Kits 5800-Pb Series are designed for oil/paper insulated power cable. They meet the requirements of IEEE Standard 48, for Class 1 terminations and applicable sections of IEEE 404. The 3M QT-II termination consists of a high dielectric constant (High-K) stress control tube insulated with a molded silicone skirted insulator. There is a four-skirt design rated 15 kV and a six-skirt design rated 25/28 kV. To ensure a positive oil seal and to conform with pressure test requirements, a sealed terminal lug or connector must be used with the 5800-Pb series kits.

Each kit contains sufficient quantities of material to make one termination. These kits can be specified with or without sealed copper lugs (see selection table).

Note: Because of the various factors which affect cable primary insulation O.D. and cable jacket O.D. (e.g. types of conductor, insulation thickness), the cable sizes in the charts are guidelines. Confirm that cable insulation O.D. fits range specified for the termination. For three conductor applications, consult your 3M sales representative.



<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Paper Insulated Lead Covered (PILC)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	6
<b>Voltage</b>	15 kV, 25/28 kV
<b>Packaging</b>	1 kit per case (one termination per kit)

Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 25/28 kV Stranded	Conductor Size 25/28 kV Solid	Lug/Stem Connector Included in Kit
5806-Pb	054007-50460	150 kV	20.25" (514 mm)	0.71"-1.01" (18,0-25,6 mm)	2/0 AWG-250 kcmil (70-120 mm²)	2-1/0 AWG (35-50 mm²)	-	-	-
5806-Pb-2	054007-50462	150 kV	20.25" (514 mm)	0.71"-1.01" (18,0-25,6 mm)	-	-	2 AWG	1 AWG	OS-0001 (1-Hole)
5806-Pb-1/0	054007-50461	150 kV	20.25" (514 mm)	0.71"-1.01" (18,0-25,6 mm)	-	-	1/0 AWG	-	OS-0010 (1-Hole)
5807-Pb	054007-50463	150 kV	21.75" (553 mm)	0.94"-1.36" (23,9-34,5 mm)	350-600 kcmil (185-300 mm²)	2/0 AWG-250 kcmil (70-120 mm²)	-	-	-
5807-Pb-2/0	054007-50464	150 kV	21.75" (553 mm)	0.94"-1.36" (23,9-34,5 mm)	-	-	2/0 AWG	3/0 AWG	OS-0020 (1-Hole)
5807-Pb-3/0	054007-50465	150 kV	21.75" (553 mm)	0.94"-1.36" (23,9-34,5 mm)	-	-	3/0 AWG	4/0 AWG	OS-0030 (1-Hole)
5807-Pb-250	054007-50467	150 kV	21.75" (553 mm)	0.94"-1.36" (23,9-34,5 mm)	-	-	250 kcmil	-	OS-0250 (2-Hole)
5808-Pb	054007-50468	150 kV	21.75" (553 mm)	1.20"-1.90" (30,5-48,2 mm)	750-1250 kcmil (400-625 mm²)	350-1000 kcmil (185-500 mm²)	-	-	-
5808-Pb-350	054007-50469	150 kV	21.75" (553 mm)	1.20"-1.90" (30,5-48,2 mm)	-	-	350 kcmil	-	OS-0350 (2-Hole)
5808-Pb-500	054007-50470	150 kV	21.75" (553 mm)	1.20"-1.90" (30,5-48,2 mm)	-	-	500 kcmil	-	OS-0500 (2-Hole)
5808-Pb-750	054007-41909	150 kV	21.75" (553 mm)	1.20"-1.90" (30,5-48,2 mm)	750 kcmil	-	750 kcmil	-	OS-0750 (2-Hole)

# 3M™ Medium Voltage Terminations for Single Core Tape Shield, Wire Shield and UniShield® Cable, 5 kV – 46 kV

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## 3M™ Cold Shrink QT-III Termination Kit 7620-T & 7690-T Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7620-T and 7690-T Series contain one-piece, non-skirted, silicone rubber terminations, qualified as IEEE Standard 48 Class 1 for indoor and weather-protected applications. The termination assemblies consist of a tubular insulator, high dielectric constant (Hi-K) stress control tube (7620-T designed and assembled with stress controlling compound only), conformable Hi-K stress controlling compound, and built-in environmental top seal. The insulator is made of a dark gray silicone rubber with advanced tracking resistant and hydrophobic properties. The complete assembly is prestretched and loaded onto a removable core which can be recycled. The kits are designed for terminating solid dielectric shielded power cable rated 5–35 kV, with tape shield, wire shield and UniShield® constructions.

Each kit contains sufficient quantities of material to make three single-phase terminations. Lugs need to be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	0
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (three single-phase terminations per kit)



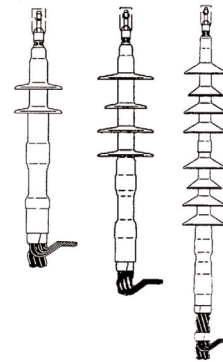
Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 5 kV	Conductor Size 8 kV	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 35 kV
7620-T-95	054007-41758	95 kV	8.5" (216 mm)	0.32"-0.59" (8,1-15,0 mm)	8-4 AWG	8-6 AWG	-	-	-
7621-T-95	054007-41759	95 kV	8.5" (216 mm)	0.44"-0.89" (11,2-22,6 mm)	2-3/0 AWG	4-2/0 AWG	-	-	-
7622-T-95	051128-57483	95 kV	8.5" (216 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	-	-	-
7622-T-110	054007-41760	110 kV	12.0" (305 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm²)	-	-
7624-T-95	051128-57484	95 kV	8.5" (216 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	-	-	-
7624-T-110	054007-41761	110 kV	12.0" (305 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm²)	-	-
7625-T-95	051128-57485	95 kV	8.5" (216 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	-	-	-
7625-T-110	054007-41762	110 kV	12.0" (305 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm²)	-	-
7626-T-110	054007-41763	110 kV	12.0" (305 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (500-1000 mm²)	-	-
7693-T-150	054007-41778	150 kV	16.0" (406 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm²)	2-4/0 AWG (35-120 mm²)	2-2/0 AWG (35-70 mm²)
7695-T-150	054007-41779	150 kV	16.0" (406 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm²)	250-800 kcmil (150-400 mm²)	3/0 AWG-600 kcmil (95-325 mm²)
7696-T-150	054007-41780	150 kV	16.0" (406 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm²)	900-1750 kcmil (500-800 mm²)	700-1500 kcmil (400-725 mm²)

Single Core Tape Shield, Wire Shield & UniShield® Cable, 5–46 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III Termination Kit 7620-S, 7680-S & 7690-S Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Termination Kit 7620-S, 7680-S and 7690-S Series contain one-piece, skirted, silicone rubber terminations, qualified as IEEE Standard 48 Class 1 for outdoor weather-exposed applications. The termination assemblies consist of a skirted insulator, high-dielectric constant (Hi-K) stress control tube (7620-S is designed and assembled with stress controlling compound only) conformable Hi-K stress controlling compound and built-in environmental top seal. The insulator is made of a dark gray silicone rubber with excellent tracking resistance and hydrophobic properties. The complete assembly is prestretched and loaded onto a removable core which can be recycled. The kits are designed for terminating solid dielectric shielded power cables rated 5–35 kV, with tape shield, wire shield and UniShield® constructions. Each kit makes 3 terminations. Lugs need to be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (three terminations per kit)



Order No.	UPC	Skirts	BIL	Max. Installed Length	Insulation O.D. Range	Cond. Size 5 kV	Cond. Size 8 kV	Cond. Size 15 kV	Cond. Size 25/28 kV	Cond. Size 35 kV
7620-S-2	054007-42168	2	95 kV	10.50" (267 mm)	0.32"-0.59" (8,1-15,0 mm)	8-4 AWG	8-6 AWG	-	-	-
7621-S-2	054007-42169	2	95 kV	10.50" (267 mm)	0.44"-0.89" (11,2-22,6 mm)	2-3/0 AWG	4-2/0 AWG	-	-	-
7622-S-2	054007-42170	2	110 kV	9.80" (249 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm²)	-	-
7692-S-4	054007-42211	4	150 kV	12.25" (311 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm²)	2-1/0 AWG (35-50 mm²)	-
7693-S-4	054007-42212	4	150 kV	12.25" (311 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm²)	2-4/0 AWG (35-120 mm²)	-
7694-S-4	054007-42213	4	150 kV	12.25" (311 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm²)	2/0 AWG-250 kcmil (70-150 mm²)	-
7695-S-4	054007-42214	4	150 kV	12.25" (311 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm²)	250-800 kcmil (150-400 mm²)	-
7696-S-4	054007-42215	4	150 kV	13.25" (336 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm²)	900-1750 kcmil (500-800 mm²)	-
7683-S-8	054007-42465	8	200 kV	20.50" (521 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm²)	2-4/0 AWG (35-120 mm²)	2-2/0 AWG (35-70 mm²)
7684-S-8	054007-42466	8	200 kV	20.50" (521 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm²)	2/0 AWG-250 kcmil (70-150 mm²)	2-4/0 AWG (35-120 mm²)
7685-S-8	054007-42467	8	200 kV	20.50" (521 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm²)	250-800 kcmil (125-400 mm²)	3/0 AWG-600 kcmil (95-325 mm²)



Single Core Tape Shield, Wire Shield & UniShield® Cable, 5–46 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III Termination Kit 7620-S, 7680-S & 7690-S Series for 5-35 kV (continued)

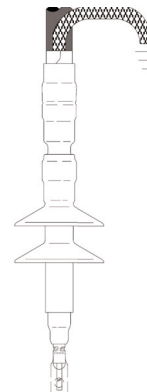
Order No.	UPC	Skirts	BIL	Max. Installed Length	Insulation O.D. Range	Cond. Size 5 kV	Cond. Size 8 kV	Cond. Size 15 kV	Cond. Size 25/28 kV	Cond. Size 35 kV
7686-S-8	054007-42468	8	200 kV	21.50" (546 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm²)	900-1750 kcmil (500-800 mm²)	700-1500 kcmil (400-725 mm²)

## 3M™ Cold Shrink QT-III Inverted Termination Kit 7620-S & 7690-S Series for 5-35 kV

For applications where the cable will be mounted pointing down, the 3M™ Cold Shrink QT-III Inverted Terminations offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable. The unique step-core design combined with the built-in Hi-K stress control and environmental sealing compounds means simpler installation on all types of cable. It has UV stability, track and erosion resistance. Plus its Hi-K stress control design delivers excellent BIL performance and lower surface stress resulting in a more compact termination. Through excellent engineering, 3M Cold Shrink QT-III terminations deliver maximum performance. The kits are designed for terminating solid dielectric shielded power cables rated 5–35 kV with tape shield, wire shield, and UniShield® constructions.

Each kit makes three terminations. Lugs need to be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (three terminations per kit)



Order No.	UPC	Skirts	BIL	Max. Installed Length	Insulation O.D. Range	Cond. Size 5 kV	Cond. Size 8 kV	Cond. Size 15 kV	Cond. Size 25/28 kV	Cond. Size 35 kV
7622-S-INV-2	054007-43016	2	110 kV	12.0" (305 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm²)	-	-
7693-S-INV-4	054007-43017	4	200 kV	16.0" (406 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm²)	2-4/0 AWG (35-120 mm²)	2-2/0 AWG (35-70 mm²)
7695-S-INV-4	054007-43018	4	200 kV	16.0" (406 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	350-1000 kcmil (185-500 mm²)	250-800 kcmil (150-400 mm²)	3/0 AWG-600 kcmil (95-325 mm²)
7696-S-INV-4	054007-43019	4	200 kV	16.0" (406 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm²)	900-1750 kcmil (500-800 mm²)	700-1500 kcmil (400-725 mm²)

## 3M™ Cold Shrink QT-II Termination Kit 5620K Series for 5-15 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kits 5620K Series contain one-piece, nonskirted, silicone rubber terminations, qualified as IEEE Standard 48 Class 1 for weather-protected applications. Termination assemblies consist of a high dielectric constant (Hi-K) stress control tube insulated with a nontracking silicone rubber insulator, prestretched and loaded together onto a removable core. The kits are designed for terminating solid dielectric shielded power cable rated 5–15 kV, with tape shield, wire shield and UniShield® constructions.

Each kit contains sufficient material to make 3 single-phase terminations. Lugs must be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	0
<b>Voltage</b>	5 kV, 8 kV, 15 kV
<b>Packaging</b>	1 kit per case (three single-phase terminations per kit)



Order No.	UPC	BIL	Max. Installed Length	Insul. O.D. Range	Cond. Size 5 kV 100%	Cond. Size 5 kV 133% / 8 kV 100%	Cond. Size 8 kV 133%	Cond. Size 15 kV 100%	Cond. Size 15 kV 133%
5621K	054007-12250	110 kV	9.5" (241 mm)	0.32"-0.46" (8,1-11,7 mm)	8-4 AWG (10-16 mm <sup>2</sup> )	8-6 AWG (10-14 mm <sup>2</sup> )	8 AWG (10 mm <sup>2</sup> )	-	-
5622K	054007-12251	110 kV	9.5" (241 mm)	0.44"-0.65" (11,2-16,5 mm)	2-2/0 AWG (35-60 mm <sup>2</sup> )	4-1/0 AWG (22-50 mm <sup>2</sup> )	6-1 AWG (14-38 mm <sup>2</sup> )	-	-
5623K	054007-12252	110 kV	11.0" (279 mm)	0.56"-0.87" (14,2-22,1 mm)	2/0 AWG-250 kcmil (70-120 mm <sup>2</sup> )	1/0-4/0 AWG (60-100 mm <sup>2</sup> )	1-3/0 AWG (50-80 mm <sup>2</sup> )	4-2/0 AWG (22-60 mm <sup>2</sup> )	4-1 AWG (22-38 mm <sup>2</sup> )
5624K	054007-12254	110 kV	11.0" (279 mm)	0.78"-1.30" (19,8-33,0 mm)	300-750 kcmil (185-325 mm <sup>2</sup> )	250-750 kcmil (150-325 mm <sup>2</sup> )	4/0 AWG-600 kcmil (120-300 mm <sup>2</sup> )	2/0 AWG-500 kcmil (70-250 mm <sup>2</sup> )	1 AWG-350 kcmil (50-150 mm <sup>2</sup> )
5625K	054007-12255	110 kV	11.0" (279 mm)	1.09"-1.80" (27,7-45,7 mm)	600-1500 kcmil (325-725 mm <sup>2</sup> )	600-1500 kcmil (325-725 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )	500-1250 kcmil (300-625 mm <sup>2</sup> )	350-1000 kcmil (185-500 mm <sup>2</sup> )

## 3M™ Cold Shrink QT-II Termination Kit 6020K Series for 15-25/28 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 6020K Series provide easy installation for a broad spectrum of indoor and outdoor applications. The Cold Shrink QT-II termination is based on specially formulated, track-resistant silicone rubber insulators with built-in Hi-K stress relief. The insulators are prestretched around a spiral -wound, plastic core. When the terminator is slipped over a properly prepared cable and the core is removed, the terminator immediately shrinks to the cable's dimensions. The result is a void-free, flexible seal without special tools or torches. The kits are designed for terminating solid dielectric shielded power cable rated 15–25/28 kV, with tape shield, wire shield and UniShield® constructions.

Each kit has sufficient material to make 3 terminations. Lugs must be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	0
<b>Voltage</b>	15 kV, 25/28 kV
<b>Packaging</b>	1 kit per case (three terminations per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Cable Jacket O.D.	Cond. Size 15 kV 100%	Cond. Size 15 kV 133%	Cond. Size 25/28 kV
6022K	054007-49934	125 kV	21.8" (554 mm)	0.64"-0.90" (16,3-22,9 mm)	0.80"-1.20" (20,3-30,5 mm)	2-3/0 AWG (35-80 mm <sup>2</sup> )	4-2/0 AWG (22-60 mm <sup>2</sup> )	2-1 AWG (35-38 mm <sup>2</sup> )
6023K	054007-49935	125 kV	21.8" (554 mm)	0.84"-1.33" (21,3-33,8 mm)	1.00"-1.60" (25,4-40,6 mm)	3/0 AWG-500 kcmil (95-250 mm <sup>2</sup> )	2/0 AWG-350 kcmil (70-150 mm <sup>2</sup> )	1 AWG-250 kcmil (38-125 mm <sup>2</sup> )
6024K	054007-49936	125 kV	21.8" (554 mm)	1.10"-1.65" (27,9-41,9 mm)	1.30"-1.90" (33,0-48,3 mm)	500-750 kcmil (300-325 mm <sup>2</sup> )	350-700 kcmil (180-325 mm <sup>2</sup> )	250-600 kcmil (125-300 mm <sup>2</sup> )
6025K	054007-49937	125 kV	22.25" (565 mm)	1.30"-1.95" (33,0-49,5 mm)	1.50"-2.40" (38,1-61,0 mm)	750-1750 kcmil (400-850 mm <sup>2</sup> )	700-1500 kcmil (400-750 mm <sup>2</sup> )	600-1250 kcmil (325-625 mm <sup>2</sup> )

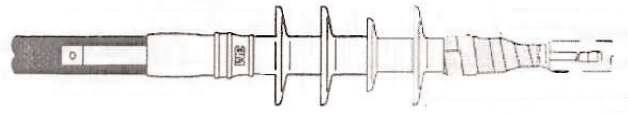
Single Core Tape Shield, Wire Shield & UniShield® Cable, 5–46 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Kits

### 3M™ Cold Shrink QT-II Termination Kit 5630K Series – 4 Skirt, for 5-15 kV

The 3M™ Cold Shrink QT-II Outdoor Termination Kits 5630K Series are one-piece cold shrink terminations for tape shield, wire shield, and Unishield® power cables. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M QT-II termination consists of a high dielectric-constant (High-K) stress control tube insulated with a molded silicone skirted insulator. Each insulator design incorporates an extended base feature which when combined with mastic ensures a seal at the cable jacket end where the termination ground strap is brought out.

Each kit contains sufficient material to make 3 terminations. Lugs must be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	4
<b>Voltage</b>	5 kV, 8 kV, 15 kV
<b>Packaging</b>	1 kit per case (three terminations per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Cond. Size 5 kV 100%	Cond. Size 5 kV 133% / 8 kV 100%	Cond. Size 8 kV 133%	Cond. Size 15 kV 100%	Cond. Size 15 kV 133%
5632K	054007-49681	110 kV	13.25" (337 mm)	0.33"-0.69" (8,4-17,5 mm)	8-2/0 AWG (10-60 mm <sup>2</sup> )	8-1/0 AWG (10-50 mm <sup>2</sup> )	8-1 AWG (10-38 mm <sup>2</sup> )	8-4 AWG (10-16 mm <sup>2</sup> )	8-6 AWG (10-14 mm <sup>2</sup> )
5633K	054007-12256	110 kV	12.0" (305 mm)	0.64"-0.90" (16,3-22,9 mm)	3/0 AWG-300 kcmil (95-150 mm <sup>2</sup> )	2/0 AWG-250 kcmil (70-120 mm <sup>2</sup> )	1/0-4/0 AWG (60-100 mm <sup>2</sup> )	2-3/0 AWG (35-80 mm <sup>2</sup> )	4-1/0 AWG (22-50 mm <sup>2</sup> )
5635K	054007-12257	110 kV	12.0" (305 mm)	0.84"-1.33" (21,3-33,8 mm)	350-750 kcmil (185-325 mm <sup>2</sup> )	300-750 kcmil (185-325 mm <sup>2</sup> )	250-600 kcmil (150-300 mm <sup>2</sup> )	3/0 AWG-500 kcmil (95-250 mm <sup>2</sup> )	2/0 AWG-350 kcmil (70-150 mm <sup>2</sup> )
5636K	054007-12258	110 kV	13.5" (343 mm)	1.10"-1.65" (27,9-41,9 mm)	750-1500 kcmil (400-725 mm <sup>2</sup> )	750-1250 kcmil (400-625 mm <sup>2</sup> )	600-1000 kcmil (325-500 mm <sup>2</sup> )	500-1000 kcmil (300-500 mm <sup>2</sup> )	350-750 kcmil (185-325 mm <sup>2</sup> )
5637K	054007-12259	110 kV	13.75" (349 mm)	1.30"-1.95" (33,0-49,5 mm)	1000-2000 kcmil (600-1000 mm <sup>2</sup> )	1000-2000 kcmil (600-1000 mm <sup>2</sup> )	800-1750 kcmil (500-850 mm <sup>2</sup> )	750-1750 kcmil (400-850 mm <sup>2</sup> )	600-1500 kcmil (325-725 mm <sup>2</sup> )

Single Core Tape Shield, Wire Shield & UniShield® Cable, 5–46 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-II Termination Kit 5690K Series – 6 Skirt, for 15-25/28 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 5690K Series are one-piece cold shrink terminations for tape shield, wire shield and UniShield® power cables. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M QT-II termination consists of a high dielectric constant (High-K) stress control tube insulated with a molded silicone skirted insulator.

Each kit contains sufficient material to make three terminations. Lugs must be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	6
<b>Voltage</b>	15 kV, 25/28 kV
<b>Packaging</b>	1 kit per case (three terminations per kit)



Order No.	UPC	BIL	Max. Installed Length A: Tape & Wire Shield B: UniShield®	Insulation O.D. Range	Cable Jacket O.D.	Conductor Size 15 kV 100%	Conductor Size 15 kV 133%	Conductor Size 25/28 kV
5691K	054007-49395	150 kV	15.0" (381 mm) 14.5" (368 mm)	0.64"-0.90" (16,3-22,9 mm)	0.80"-1.20" (20,3-30,5 mm)	2-3/0 AWG (35-80 mm <sup>2</sup> )	2-1/0 AWG (35-50 mm <sup>2</sup> )	2-1 AWG (35-38 mm <sup>2</sup> )
5692K	054007-49396	150 kV	15.0" (381 mm) 14.5" (368 mm)	0.84"-1.33" (21,3-33,8 mm)	1.00"-1.60" (25,4-40,6 mm)	3/0 AWG-400 kcmil (95-200 mm <sup>2</sup> )	2/0 AWG-350 kcmil (70-150 mm <sup>2</sup> )	1/0 AWG-250 kcmil (60-120 mm <sup>2</sup> )
5693K	054007-49397	150 kV	16.5" (419 mm) 16.0" (406 mm)	1.10"-1.65" (27,9-41,9 mm)	1.30"-1.90" (33,0-48,3 mm)	500-750 kcmil (300-325 mm <sup>2</sup> )	400-750 kcmil (240-325 mm <sup>2</sup> )	300-500 kcmil (185-250 mm <sup>2</sup> )
5694K	054007-49398	150 kV	16.75" (425 mm) 16.25" (413 mm)	1.30"-1.95" (33,0-49,5 mm)	1.50"-2.40" (38,1-61,0 mm)	800-1750 kcmil (500-850 mm <sup>2</sup> )	800-1500 kcmil (500-725 mm <sup>2</sup> )	600-1250 kcmil (325-625 mm <sup>2</sup> )

Single Core Tape Shield, Wire Shield & UniShield® Cable, 5–46 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-II Termination Kit 5690K Series – 8 Skirt, for 15-35 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kits 5690K are one-piece cold shrink terminations for tape shield, wire shield and UniShield® power cables. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M QT-II termination consists of a high dielectric constant (High-K) stress control tube insulated with a molded silicone skirted insulator.

Each kit contains sufficient material to make three terminations. Lugs must be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	8
<b>Voltage</b>	15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (three terminations per kit)



Order No.	UPC	BIL	Max. Installed Length A: Tape & Wire Shield B: UniShield®	Insulation O.D. Range	Cable Jacket O.D.	Conductor Size 15 kV 100%	Conductor Size 15 kV 133%	Conductor Size 25/28 kV	Conductor Size 35 kV
5696K	054007-49399	200 kV	19.5" (495 mm) 19.0" (483 mm)	0.84"-1.33" (21,3-33,8 mm)	1.00"-1.60" (25,4-40,6 mm)	3/0 AWG-400 kcmil (95-200 mm <sup>2</sup> )	2/0 AWG-350 kcmil (70-150 mm <sup>2</sup> )	1/0 AWG-250 kcmil (60-120 mm <sup>2</sup> )	2-3/0 AWG (35-80 mm <sup>2</sup> )
5697K	054007-49400	200 kV	21.5" (546 mm) 21.0" (533 mm)	1.10"-1.65" (27,9-41,9 mm)	1.30"-1.90" (33,0-48,2 mm)	500-750 kcmil (300-325 mm <sup>2</sup> )	400-750 kcmil (240-325 mm <sup>2</sup> )	300-500 kcmil (185-250 mm <sup>2</sup> )	4/0 AWG-400 kcmil (120-200 mm <sup>2</sup> )
5698K	054007-49401	200 kV	21.75" (552 mm) 21.25" (540 mm)	1.30"-1.95" (33,0-49,5 mm)	1.50"-2.40" (38,1-61,0 mm)	800-1750 kcmil (500-850 mm <sup>2</sup> )	800-1500 kcmil (500-725 mm <sup>2</sup> )	600-1250 kcmil (325-625 mm <sup>2</sup> )	500-1000 kcmil (300-500 mm <sup>2</sup> )

Single Core Tape Shield, Wire Shield & UniShield® Cable, 5–46 kV: 3M™ Cold Shrink QT-II Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-II Termination Kit QT-II 4604 & 4605 Series for 46 kV

3M™ Cold Shrink QT-II Silicone Rubber Termination Kit 4604 and 4605 are three-piece cold shrink terminations for tape shield, wire shield and longitudinally corrugated (LC) power cables. They meet the requirements of IEEE Standard 48, for Class 1 terminations. The 3M QT-II termination consists of a high dielectric constant (High-K) stress control tube insulated with a molded silicone skirted insulator. The 4600-series termination is a twelve-skirt design incorporating a one-piece base termination assembly, a four-skirt extension insulator, and a silicone rubber jacket-sealing cold shrink tube assembly.

Each kit contains sufficient material to make one termination. Lugs must be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, Longitudinally Corrugated (LC)
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	12
<b>Voltage</b>	46 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Creepage Distance	Arcing Distance	Insulation O.D. Range	Conductor Size
4604	054007-50192	250 kV	28.0" (711 mm)	46.0" (1,17 m)	30.0" (762 mm)	1.31"-2.10" (33,2-53,4 mm)	4/0 AWG-600 kcmil (120-300 mm²)
4605	054007-50193	250 kV	28.0" (711 mm)	46.0" (1,17 m)	30.0" (762 mm)	1.80"-2.60" (45,7-66,1 mm)	600-1500 kcmil (325-725 mm²)

# 3M™ Medium Voltage Terminations for Three Core Tape Shield, Wire Shield and UniShield® Cable, 5 kV – 35 kV

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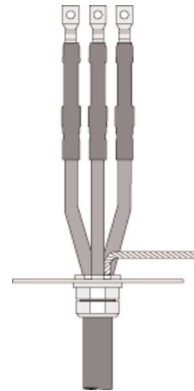


## 3M™ Cold Shrink QT-III Termination Kit 7600-T-3-RJS Series for 5-35 kV

3M™ Cold Shrink QT-III Termination Kit 7600-T-3-RJS Series are designed for cabinet-mount installations and can be used on cables with, or without, internal ground wires. Each termination kit has all of the materials required to make one 3-conductor termination. Lugs must be ordered separately.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	Yes
<b>No. Skirts</b>	0
<b>Voltage</b>	3.3 kV, 5 kV, 6.6 kV, 8 kV, 10 kV, 15 kV, 20 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



	7620-T-95-3-RJS	7621-T-95-3-RJS	7623-T-95-3-RJS	7624-T-95-3-RJS
UPC	054007-04810	054007-04586	054007-04707	054007-04708
BIL	95 kV	95 kV	95 kV	95 kV
Max. Installed Length	8.5" (216 mm)	8.5" (216 mm)	8.5" (216 mm)	8.5" (216 mm)
Insulation O.D. Range	0.33"-0.50" (8,4-12,7 mm)	0.50"-0.70" (12,7-17,8 mm)	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)
Conductor Size 3.3 kV 100% - IEC (JIS)	16-35 mm <sup>2</sup> (8-22 mm <sup>2</sup> )	50-95 mm <sup>2</sup> (38-60 mm <sup>2</sup> )	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )
Conductor Size 5.0 kV 100% - AEIC	8-2 AWG	1-3/0 AWG	4/0 AWG-400 kcmil	500-750 kcmil
Conductor Size 6.6 kV 100% - IEC (JIS)	16-25 mm <sup>2</sup> ( - )	35-70 mm <sup>2</sup> ( - )	95-150 mm <sup>2</sup> ( - )	185-300 mm <sup>2</sup> ( - )
Conductor Size 8 kV 100% - AEIC	6-4 AWG	2-2/0 AWG	3/0 AWG-350 kcmil	400-600 kcmil
Conductor Size 10 kV 100% - IEC	-	10-50 mm <sup>2</sup>	70-150 mm <sup>2</sup>	185-300 mm <sup>2</sup>
Conductor Size 15 kV 100% - IEC (AEIC)	- ( - )	16-25 mm <sup>2</sup> ( - )	35-95 mm <sup>2</sup> ( - )	120-185 mm <sup>2</sup> ( - )
Conductor Size 20 kV 100% - IEC	-	-	-	-
Conductor Size 25/28 kV 100% - AEIC	-	-	-	-
Conductor Size 35 kV 100% - AEIC	-	-	-	-
	7621-T-110-3-RJS	7622-T-110-3-RJS	7624-T-110-3-RJS	7625-T-110-3-RJS
UPC	054007-04710	054007-04711	054007-04712	054007-04713
BIL	110 kV	110 kV	110 kV	110 kV
Max. Installed Length	12.0" (305 mm)	12.0" (305 mm)	12.0" (305 mm)	12.0" (305 mm)
Insulation O.D. Range	0.50"-0.70" (12,7-17,8 mm)	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)	1.18"-1.52" (30,0-38,6 mm)
Conductor Size 3.3 kV 100% - IEC (JIS)	50-95 mm <sup>2</sup> (38-60 mm <sup>2</sup> )	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )
Conductor Size 5.0 kV 100% - AEIC	1-3/0 AWG	4/0 AWG-400 kcmil	500-750 kcmil	800-1000 kcmil
Conductor Size 6.6 kV 100% - IEC (JIS)	35-70 mm <sup>2</sup> (14-38 mm <sup>2</sup> )	95-150 mm <sup>2</sup> (60-100 mm <sup>2</sup> )	185-300 mm <sup>2</sup> (150-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )
Conductor Size 8 kV 100% - AEIC	2-2/0 AWG	3/0 AWG-350 kcmil	400-600 kcmil	750-1000 kcmil
Conductor Size 10 kV 100% - IEC	10-50 mm <sup>2</sup>	70-150 mm <sup>2</sup>	185-300 mm <sup>2</sup>	-
Conductor Size 15 kV 100% - IEC (AEIC)	16-25 mm <sup>2</sup> (2-1 AWG)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)	120-185 mm <sup>2</sup> (250-450 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)
Conductor Size 20 kV 100% - IEC	-	-	-	-
Conductor Size 25/28 kV 100% - AEIC	-	-	-	-
Conductor Size 35 kV 100% - AEIC	-	-	-	-

### 3M™ Cold Shrink QT-III Termination Kit 7600-T-3-RJS Series for 5-35 kV (continued)

	7622-T-125-3-RJS	7624-T-125-3-RJS	7625-T-125-3-RJS	7693-T-150-3-RJS
UPC	054007-04714	054007-04715	054007-04716	054007-04717
BIL	125 kV	125 kV	125 kV	150 kV
Max. Installed Length	10.5" (267 mm)	10.5" (267 mm)	10.5" (267 mm)	16.0" (406 mm)
Insulation O.D. Range	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)	1.18"-1.52" (30,0-38,6 mm)	0.70"-0.92" (17,8-23,4 mm)
Conductor Size 3.3 kV 100% - IEC (JIS)	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )
Conductor Size 5.0 kV 100% - AEIC	4/0 AWG-400 kcmil	500-750 kcmil	800-1000 kcmil	4/0 AWG-400 kcmil
Conductor Size 6.6 kV 100% - IEC (JIS)	95-150 mm <sup>2</sup> (60-100 mm <sup>2</sup> )	185-300 mm <sup>2</sup> (150-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )	95-150 mm <sup>2</sup> (60-100 mm <sup>2</sup> )
Conductor Size 8 kV 100% - AEIC	3/0 AWG-350 kcmil	400-600 kcmil	750-1000 kcmil	3/0 AWG-350 kcmil
Conductor Size 10 kV 100% - IEC	70-150 mm <sup>2</sup>	185-300 mm <sup>2</sup>	-	70-150 mm <sup>2</sup>
Conductor Size 15 kV 100% - IEC (AEIC)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)	120-185 mm <sup>2</sup> (250-450 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)
Conductor Size 20 kV 100% - IEC	25-70 mm <sup>2</sup>	95-185 mm <sup>2</sup>	240-300 mm <sup>2</sup>	25-70 mm <sup>2</sup>
Conductor Size 25/28 kV 100% - AEIC	-	-	-	2-1/0 AWG
Conductor Size 35 kV 100% - AEIC	-	-	-	-
	7694-T-150-3-RJS	7695-T-150-3-RJS	7696-T-150-3-RJS	
UPC	054007-04718	054007-04719	051128-59533	
BIL	150 kV	150 kV	150 kV	
Max. Installed Length	16.0" (406 mm)	16.0" (406 mm)	16.0" (406 mm)	
Insulation O.D. Range	0.92"-1.18" (23,4-30,0 mm)	1.18"-1.52" (30,0-38,6 mm)	1.53"-1.81" (38,4-46,0 mm)	
Conductor Size 3.3 kV 100% - IEC (JIS)	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )	-	
Conductor Size 5.0 kV 100% - AEIC	500-750 kcmil	800-1000 kcmil	-	
Conductor Size 6.6 kV 100% - IEC (JIS)	185-300 mm <sup>2</sup> (150-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )	-	
Conductor Size 8 kV 100% - AEIC	400-600 kcmil	750-1000 kcmil	-	
Conductor Size 10 kV 100% - IEC	185-300 mm <sup>2</sup>	-	-	
Conductor Size 15 kV 100% - IEC (AEIC)	120-185 mm <sup>2</sup> (250-450 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)	-	
Conductor Size 20 kV 100% - IEC	95-185 mm <sup>2</sup>	240-300 mm <sup>2</sup>	-	
Conductor Size 25/28 kV 100% - AEIC	2/0 AWG-250 kcmil	300-500 kcmil	750 kcmil	
Conductor Size 35 kV 100% - AEIC	1/0-3/0 AWG	4/0 AWG-500 kcmil	500-750 kcmil	

## 3M™ Cold Shrink QT-III Termination Kit 7600-T-3G Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Three-Conductor Cable Termination Kits 7600-T-3G Series are designed to accommodate medium voltage 3/C shielded power cables rated up to 35 kV. They are designed for cables with internal ground wires for indoor applications. Each termination kit is supplied with all the materials required for terminating one three conductor cable. All main termination wire components are produced from color-matched dark gray silicone rubber.

Each kit has the necessary materials to make one 3-conductor termination. Lugs need to be ordered separately.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	Yes
<b>Insulation Rejacketing</b>	Yes
<b>No. Skirts</b>	0
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Insul. O.D. Range	Max. Cable O.D.	Cond. Size 5 kV 100% (133%)	Cond. Size 8 kV 100% (133%)	Cond. Size 15 kV 100% (133%)	Cond. Size 25/28 kV 100% (133%)	Cond. Size 35 kV 100% (133%)
7620-T-95-3G	054007-43664	95 kV	8.5" (216 mm)	0.33"-0.50" (8,4-12,7 mm)	2.20" (55,9 mm)	8-2 AWG (6-4 AWG)	6-4 AWG (6-4 AWG)	-	-	-
7621-T-95-3G	054007-43665	95 kV	8.5" (216 mm)	0.50"-0.70" (12,7-17,8 mm)	2.80" (71,1 mm)	1-3/0 AWG (2-2/0 AWG)	2-2/0 AWG (2-2/0 AWG)	-	-	-
7623-T-95-3G	054007-43666	95 kV	8.5" (216 mm)	0.70"-0.92" (17,8-23,4 mm)	3.30" (83,8 mm)	4/0 AWG-350 kcmil (3/0 AWG-350 kcmil)	3/0 AWG-350 kcmil (3/0 AWG-350 kcmil)	-	-	-
7624-T-95-3G	054007-43667	95 kV	8.5" (216 mm)	0.92"-1.18" (23,4-30,0 mm)	3.90" (99,1 mm)	400-500 kcmil (400-500 kcmil)	400-500 kcmil (400-500 kcmil)	-	-	-
7625-T-95-3G	054007-43668	95 kV	8.5" (216 mm)	1.18"-1.52" (30,0-38,4 mm)	4.50" (114,3 mm)	700-1000 kcmil (700-1000 kcmil)	700-1000 kcmil (700-1000 kcmil)	-	-	-
7621-T-110-3G	054007-43669	110 kV	12.0" (305 mm)	0.50"-0.70" (12,7-17,8 mm)	2.80" (71,1 mm)	1-3/0 AWG (2-2/0 AWG)	2-2/0 AWG (2-2/0 AWG)	2-1 AWG (-)	-	-
7622-T-110-3G	054007-43670	110 kV	12.0" (305 mm)	0.70"-0.92" (17,8-23,4 mm)	3.30" (83,8 mm)	4/0 AWG-350 kcmil (3/0 AWG-350 kcmil)	3/0 AWG-350 kcmil (3/0 AWG-350 kcmil)	1/0-4/0 AWG (2-3/0 AWG)	-	-
7624-T-110-3G	054007-43671	110 kV	12.0" (305 mm)	0.92"-1.18" (23,4-30,0 mm)	3.90" (99,1 mm)	400-500 kcmil (400-500 kcmil)	400-500 kcmil (400-500 kcmil)	250-350 kcmil (4/0 AWG-350 kcmil)	-	-
7625-T-110-3G	054007-43673	110 kV	12.0" (305 mm)	1.18"-1.52" (30,0-38,4 mm)	4.50" (114,3 mm)	700-1000 kcmil (700-1000 kcmil)	700-1000 kcmil (700-1000 kcmil)	500-750 kcmil (500-750 kcmil)	-	-

### 3M™ Cold Shrink QT-III Termination Kit 7600-T-3G Series for 5-35 kV (continued)

Order No.	UPC	BIL	Max. Installed Length	Insul. O.D. Range	Max. Cable O.D.	Cond. Size 5 kV 100% (133%)	Cond. Size 8 kV 100% (133%)	Cond. Size 15 kV 100% (133%)	Cond. Size 25/28 kV 100% (133%)	Cond. Size 35 kV 100% (133%)
7693-T-150-3G	054007-43674	150 kV	16.0" (406 mm)	0.70"-0.92" (17,8-23,4 mm)	3.30" (83,8 mm)	4/0 AWG-350 kcmil (3/0 AWG-350 kcmil)	3/0 AWG-350 kcmil (3/0 AWG-350 kcmil)	1/0-4/0 AWG (2-3/0 AWG)	1-1/0 AWG (-)	-
7694-T-150-3G	054007-43676	150 kV	16.0" (406 mm)	0.92"-1.18" (23,4-30,0 mm)	3.90" (99,1 mm)	400-500 kcmil (400-500 kcmil)	400-500 kcmil (400-500 kcmil)	250-350 kcmil (4/0 AWG-350 kcmil)	2/0 AWG-250 kcmil (1-4/0 AWG)	1/0-3/0 AWG (-)
7695-T-150-3G	054007-43675	150 kV	16.0" (406 mm)	1.18"-1.52" (30,0-38,4 mm)	4.50" (114,3 mm)	700-1000 kcmil (700-1000 kcmil)	700-1000 kcmil (700-1000 kcmil)	500-750 kcmil (500-750 kcmil)	350-500 kcmil (250-500 kcmil)	4/0 AWG-500 kcmil (1/0 AWG-350 kcmil)
7696-T-150-3G	051128-59532	150 kV	16.0" (406 mm)	1.53"-1.81" (38,8-46,0 mm)	5.40" (137,2 mm)	-	-	- (1000 kcmil)	750 kcmil (500-750 kcmil)	500-750 kcmil (350-750 kcmil)

## 3M™ Cold Shrink QT-III Termination Kit 7600-T-3W Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Three-Conductor Cable Termination Kit 7600-T-3W Series is designed to accommodate medium-voltage 3/C shielded power cables without ground wires. Each termination kit is supplied with all the materials required for terminating one 3/C cable. Terminal and lugs must be ordered separately.

The one-piece, skirted silicone rubber terminations come with factory-applied, pre-positioned Hi-K stress control layers underneath the insulator. Its short installed length is excellent for installations in limited spaces, such as those with motors, starters, switchgear, variable speed drives, transformers and similar connections – often reducing the need to add auxiliary boxes. Kits are designed for a range of cable types including tape shield, wire shield and UniShield® constructions.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	Yes
<b>Insulation Rejacketing</b>	Yes
<b>No. Skirts</b>	0
<b>Voltage</b>	3.3 kV, 5 kV, 6.6 kV, 8 kV, 10 kV, 15 kV, 20 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



	7620-T-95-3W	7621-T-95-3W	7623-T-95-3W	7624-T-95-3W
UPC	054007-04731	054007-04732	054007-04733	054007-04734
BIL	95 kV	95 kV	95 kV	95 kV
Max. Installed Length	8.5" (216 mm)	8.5" (216 mm)	8.5" (216 mm)	8.5" (216 mm)
Insulation O.D. Range	0.33"-0.50" (8,4-12,7 mm)	0.50"-0.70" (12,7-17,8 mm)	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)
Conductor Size 3.3 kV IEC (JIS)	16-35 mm <sup>2</sup> (8-22 mm <sup>2</sup> )	50-95 mm <sup>2</sup> (38-60 mm <sup>2</sup> )	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )
Conductor Size 5.0 kV AEIC	8-2 AWG	1-3/0 AWG	4/0 AWG-400 kcmil	500-750 kcmil
Conductor Size 6.6 kV IEC (JIS)	- (16-25 mm <sup>2</sup> )	- (35-70 mm <sup>2</sup> )	- (95-150 mm <sup>2</sup> )	- (185-300 mm <sup>2</sup> )
Conductor Size 8 kV AEIC	6-4 AWG	2-2/0 AWG	3/0 AWG-350 kcmil	400-600 kcmil
Conductor Size 10 kV IEC	-	10-50 mm <sup>2</sup>	70-150 mm <sup>2</sup>	185-300 mm <sup>2</sup>
Conductor Size 15 kV IEC (AEIC)	-	16-25 mm <sup>2</sup> ( - )	35-95 mm <sup>2</sup> ( - )	120-185 mm <sup>2</sup> ( - )
Conductor Size 20 kV IEC	-	-	-	-
Conductor Size 25/28 kV AEIC	-	-	-	-
Conductor Size 35 kV AEIC	-	-	-	-
	7625-T-95-3W	7621-T-110-3W	7622-T-110-3W	7624-T-110-3W
UPC	054007-04735	054007-04736	054007-04737	054007-04738
BIL	95 kV	110 kV	110 kV	110 kV
Max. Installed Length	8.5" (216 mm)	12.0" (305 mm)	12.0" (305 mm)	12.0" (305 mm)
Insulation O.D. Range	1.18"-1.52" (30,0-38,6 mm)	0.50"-0.70" (12,7-17,8 mm)	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)
Conductor Size 3.3 kV IEC (JIS)	- (300-325 mm <sup>2</sup> )	50-95 mm <sup>2</sup> (38-60 mm <sup>2</sup> )	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )
Conductor Size 5.0 kV AEIC	800-1000 kcmil	1-3/0 AWG	4/0 AWG-400 kcmil	500-750 kcmil
Conductor Size 6.6 kV IEC (JIS)	-	14-38 mm <sup>2</sup> (35-70 mm <sup>2</sup> )	60-100 mm <sup>2</sup> (95-150 mm <sup>2</sup> )	150-250 mm <sup>2</sup> (185-300 mm <sup>2</sup> )
Conductor Size 8 kV AEIC	750-1000 kcmil	2-2/0 AWG	3/0 AWG-350 kcmil	400-600 kcmil
Conductor Size 10 kV IEC	-	10-50 mm <sup>2</sup>	70-150 mm <sup>2</sup>	185-300 mm <sup>2</sup>
Conductor Size 15 kV IEC (AEIC)	200-325 mm <sup>2</sup> ( - )	16-25 mm <sup>2</sup> (2-1 AWG)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)	120-185 mm <sup>2</sup> (250-450 kcmil)
Conductor Size 20 kV IEC	-	-	-	-
Conductor Size 25/28 kV AEIC	-	-	-	-
Conductor Size 35 kV AEIC	-	-	-	-

### 3M™ Cold Shrink QT-III Termination Kit 7600-T-3W Series for 5-35 kV (continued)

	7625-T-110-3W	7625-T-125-3W	7693-T-150-3W	7694-T-150-3W
UPC	054007-04739	054007-04742	054007-04743	054007-04744
BIL	110 kV	125 kV	150 kV	150 kV
Max. Installed Length	12.0" (305 mm)	10.5" (267 mm)	16.00" (406 mm)	16.00" (406 mm)
Insulation O.D. Range	1.18"-1.52" (30,0-38,6 mm)	1.18"-1.52" (30,0-38,6 mm)	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)
Conductor Size 3.3 kV IEC (JIS)	- (300-325 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )	120-185 mm <sup>2</sup> (100–150 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200–250 mm <sup>2</sup> )
Conductor Size 5.0 kV AEIC	800-1000 kcmil	800-1000 kcmil	4/0 AWG-400 kcmil	500-750 kcmil
Conductor Size 6.6 kV IEC (JIS)	300-325 mm <sup>2</sup> ( - )	300-325 mm <sup>2</sup> ( - )	60-100 mm <sup>2</sup> (95–150 mm <sup>2</sup> )	150-250 mm <sup>2</sup> (185–300 mm <sup>2</sup> )
Conductor Size 8 kV AEIC	750-1000 kcmil	750-1000 kcmil	3/0 AWG-350 kcmil	400-600 kcmil
Conductor Size 10 kV IEC	-	-	70-150 mm <sup>2</sup>	185-300 mm <sup>2</sup>
Conductor Size 15 kV IEC (AEIC)	200-325 mm <sup>2</sup> (500-750 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)	120-185 mm <sup>2</sup> (250-450 kcmil)
Conductor Size 20 kV IEC	-	240-300 mm <sup>2</sup>	25-70 mm <sup>2</sup>	95-185 mm <sup>2</sup>
Conductor Size 25/28 kV AEIC	-	-	2-1/0 AWG	2/0 AWG-250 kcmil
Conductor Size 35 kV AEIC	-	-	-	1/0–3/0 AWG
<b>7695-T-150-3W</b>				
UPC	054007-04745			
BIL	150 kV			
Max. Installed Length	16.00" (406 mm)			
Insulation O.D. Range	1.18"-1.52" (30,0-38,6 mm)			
Conductor Size 3.3 kV IEC (JIS)	- (300-325 mm <sup>2</sup> )			
Conductor Size 5.0 kV AEIC	800-1000 kcmil			
Conductor Size 6.6 kV IEC (JIS)	300-325 mm <sup>2</sup> ( - )			
Conductor Size 8 kV AEIC	750-1000 kcmil			
Conductor Size 10 kV IEC	-			
Conductor Size 15 kV IEC (AEIC)	200-325 mm <sup>2</sup> (500-750 kcmil)			
Conductor Size 20 kV IEC	240-300 mm <sup>2</sup>			
Conductor Size 25/28 kV AEIC	300-500 kcmil			
Conductor Size 35 kV AEIC	4/0 AWG-500 kcmil			

Medium Voltage Terminations, 5–46 kV

Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

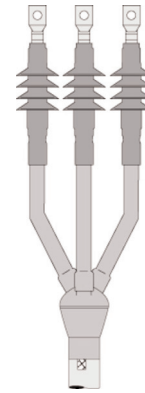
## 3M™ Cold Shrink QT-III Termination Kit 7600-S-3W Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Three-Conductor Cable Termination Kit 7600-S-3W Series is designed to accommodate medium-voltage 3/C shielded power cables without ground wires. Each termination kit is supplied with all the materials required for terminating one three-conductor cable. Terminal and lugs must be ordered separately.

The one-piece, skirted silicone rubber terminations come with factory-applied, pre-positioned Hi-K stress control layers underneath the insulator. Its short installed length is excellent for installations in limited spaces, such as those with motors, starters, switchgear, variable speed drives, transformers and similar connections -- often reducing the need to add auxiliary boxes. Kits are designed for a range of cable types including tape shield, wire shield and UniShield® constructions.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	Yes
<b>Insulation Rejacketing</b>	Yes
<b>Voltage</b>	3.3 kV, 5 kV, 6.6 kV, 8 kV, 10 kV, 15 kV, 20 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



	7620-S-2-3W	7621-S-2-3W	7622-S-2-3W	7691-S-4-3W
UPC	054007-04748	054007-04749	054007-04750	054007-04751
Skirts	2	2	2	4
BIL	95 kV	95 kV	110 kV	150 kV
Max. Installed Length	10.5" (267 mm)	10.5" (267 mm)	9.8" (249 mm)	12.25" (311 mm)
Insulation O.D. Range	0.33"-0.50" (8,40-12,7 mm)	0.50"-0.70" (12,7-17,8 mm)	0.70"-0.92" (17,8-23,4 mm)	0.50"-0.70" (12,7-17,8 mm)
Conductor Size 3.3 kV IEC (JIS)	16-35 mm <sup>2</sup> (8-22 mm <sup>2</sup> )	50-95 mm <sup>2</sup> (38-60 mm <sup>2</sup> )	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	50-95 mm <sup>2</sup> (38-60 mm <sup>2</sup> )
Conductor Size 5.0 kV AEIC	8-2 AWG	1-3/0 AWG	4/0 AWG-400 kcmil	1-3/0 AWG
Conductor Size 6.6 kV JIS (IEC)	- (16-25 mm <sup>2</sup> )	- (35-70 mm <sup>2</sup> )	60-100 mm <sup>2</sup> (95-150 mm <sup>2</sup> )	- (35-70 mm <sup>2</sup> )
Conductor Size 8 kV AEIC	6-4 AWG	2-2/0 AWG	3/0 AWG-350 kcmil	2-2/0 AWG
Conductor Size 10 kV IEC	-	10-50 mm <sup>2</sup>	70-150 mm <sup>2</sup>	10-50 mm <sup>2</sup>
Conductor Size 15 kV IEC (AEIC)	-	16-25 mm <sup>2</sup> (-)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)	16-25 mm <sup>2</sup> (-)
Conductor Size 20 kV IEC	-	-	-	-
Conductor Size 25/28 kV AEIC	-	-	-	-
Conductor Size 30 kV IEC	-	-	-	-
Conductor Size 35 kV AEIC	-	-	-	-

Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

3M™ Cold Shrink QT-III Termination Kit 7600-S-3W Series for 5-35 kV (continued)

	7692-S-4-3W	7693-S-4-3W	7695-S-4-3W	7685-S-8-3W
UPC	054007-04752	054007-04753	054007-04754	054007-04756
Skirts	4	4	4	8
BIL	150 kV	150 kV	150 kV	200 kV
Max. Installed Length	12.25" (311 mm)	12.25" (311 mm)	12.25" (311 mm)	21.50" (546 mm)
Insulation O.D. Range	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)	1.18"-1.52" (30,0-38,6 mm)	1.18"-1.52" (30,0-38,6 mm)
Conductor Size 3.3 kV IEC (JIS)	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )
Conductor Size 5.0 kV AEIC	4/0 AWG-400 kcmil	500-750 kcmil	800-1000 kcmil	800-1000 kcmil
Conductor Size 6.6 kV JIS (IEC)	60-100 mm <sup>2</sup> (95-150 mm <sup>2</sup> )	150-250 mm <sup>2</sup> (185-300 mm <sup>2</sup> )	300-325 mm <sup>2</sup> ( - )	300-325 mm <sup>2</sup> ( - )
Conductor Size 8 kV AEIC	3/0 AWG-350 kcmil	400-600 kcmil	750-1000 kcmil	750-1000 kcmil
Conductor Size 10 kV IEC	70-150 mm <sup>2</sup>	185-300 mm <sup>2</sup>	-	-
Conductor Size 15 kV IEC (AEIC)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)	120-185 mm <sup>2</sup> (250-450 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)
Conductor Size 20 kV IEC	25-70 mm <sup>2</sup>	95-185 mm <sup>2</sup>	240-300 mm <sup>2</sup>	240-300 mm <sup>2</sup>
Conductor Size 25/28 kV AEIC	2-1/0 AWG	2/0 AWG-250 kcmil	300-500 kcmil	300-500 kcmil
Conductor Size 30 kV IEC	-	-	-	95-240 mm <sup>2</sup>
Conductor Size 35 kV AEIC	-	-	-	4/0 AWG-500 kcmil



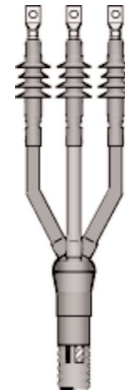
Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III Termination Kit 7600-S-3G Series for 5-35 kV

The 3M™ Cold Shrink QT-III Termination Kit 7600-S-3G Series kits are skirted and designed for outdoor installations and can be used on three conductor cables with internal ground wires. They are designed to terminate medium voltage power cables rated up to 35 kV. Each kit has the necessary materials to make one three-conductor termination. Lugs need to be ordered separately.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	Yes
<b>Insulation Rejacketing</b>	Yes
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



	7620-S-2-3G	7621-S-2-3G	7622-S-2-3G	7691-S-4-3G
UPC	054007-43679	054007-43680	054007-43681	054007-43682
Skirts	2	2	2	4
BIL	95 kV	95 kV	110 kV	150 kV
Max. Installed Length	10.5" (267 mm)	10.5" (267 mm)	9.8" (249 mm)	12.25" (311 mm)
Insulation O.D. Range	0.33"-0.50" (8,4-12,7 mm)	0.50"-0.70" (12,7-17,8 mm)	0.70"-0.92" (17,8-23,4 mm)	0.50"-0.70" (12,7-17,8 mm)
Max. Cable O.D.	2.20" (55,9 mm)	2.80" (71,1 mm)	3.30" (83,8 mm)	2.80" (71,1 mm)
Conductor Size AWG & kcmil 5 kV - 100% (133%)	8-2 (6-4)	1-3/0 (2-2/0)	4/0-350 (3/0-350)	1-3/0 (2-2/0)
Conductor Size AWG & kcmil 8 kV - 100% (133%)	6-4 (6-4)	2-2/0 (2-2/0)	3/0-350 (3/0-350)	2-2/0 (2-2/0)
Conductor Size AWG & kcmil 15 kV - 100% (133%)	-	2-1 (-)	1/0-4/0 (2-3/0)	2-1 (-)
Conductor Size AWG & kcmil 25/28 kV - 100% (133%)	-	-	-	-
Conductor Size AWG & kcmil 35 kV - 100% (133%)	-	-	-	-
	7692-S-4-3G	7693-S-4-3G	7695-S-4-3G	7684-S-8-3G
UPC	054007-43683	054007-43684	054007-43685	054007-43686
Skirts	4	4	4	8
BIL	150 kV	150 kV	150 kV	200 kV
Max. Installed Length	12.25" (311 mm)	12.25" (311 mm)	12.25" (311 mm)	20.5" (521 mm)
Insulation O.D. Range	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)	1.18"-1.52" (30,0-38,6 mm)	0.92"-1.18" (23,4-30,0 mm)
Max. Cable O.D.	3.30" (83,8 mm)	3.90" (99,1 mm)	4.50" (114,3 mm)	3.90" (99,1 mm)
Conductor Size AWG & kcmil 5 kV - 100% (133%)	4/0-350 (3/0-350)	400-500 (400-500)	700-1000 (700-1000)	-
Conductor Size AWG & kcmil 8 kV - 100% (133%)	3/0-350 (3/0-350)	400-500 (400-500)	700-1000 (700-1000)	-
Conductor Size AWG & kcmil 15 kV - 100% (133%)	1/0-4/0 (2-3/0)	250-350 (4/0-350)	500-750 (500-750)	250-350 (4/0-350)
Conductor Size AWG & kcmil 25/28 kV - 100% (133%)	1-1/0 (-)	2/0-250 (1-4/0)	350-500 (250-500)	2/0-250 (1-4/0)
Conductor Size AWG & kcmil 35 kV - 100% (133%)	-	-	-	1/0-3/0 (-)

Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

**3M™ Cold Shrink QT-III Termination Kit 7600-S-3G Series for 5-35 kV (continued)**

	7685-S-8-3G	7686-S-8-3G
UPC	054007-43687	051128-59530
Skirts	8	8
BIL	200 kV	200 kV
Max. Installed Length	20.5" (521 mm)	21.5" (546 mm)
Insulation O.D. Range	1.18"-1.52" (30,0-38,6 mm)	1.53"-1.81" (38,8-46,0 mm)
Max. Cable O.D.	4.50" (114,3 mm)	5.40" (137,2 mm)
Conductor Size AWG & kcmil 5 kV - 100% (133%)	-	-
Conductor Size AWG & kcmil 8 kV - 100% (133%)	-	-
Conductor Size AWG & kcmil 15 kV - 100% (133%)	500-750 (500-750)	- (1000)
Conductor Size AWG & kcmil 25/28 kV - 100% (133%)	350-500 (250-500)	750 (500-750)
Conductor Size AWG & kcmil 35 kV - 100% (133%)	4/0-500 (1/0-350)	500-750 (350-750)

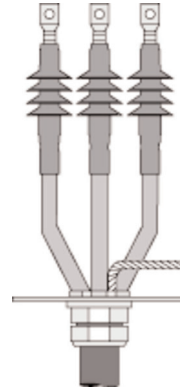
Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III Termination Kit 7600-S-3RJS Series for 5-35 kV

The 3M™ Cold Shrink QT-III Termination Kit 7600-S-3RJS Series are designed for cabinet-mount installations and can be used on cables with, or without, internal ground wires. Each termination kit has all of the materials required to make a three-conductor termination. Lugs must be ordered separately.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	Yes
<b>Voltage</b>	3.3 kV, 5 kV, 6.6 kV, 8 kV, 10 kV, 15 kV, 20 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



	7620-S-2-3-RJS	7621-S-2-3-RJS	7622-S-2-3-RJS	7691-S-4-3-RJS
UPC	054007-04722	054007-04723	054007-04724	054007-04725
Skirts	2	2	2	4
BIL	95 kV	95 kV	110 kV	150 kV
Max. Installed Length	10.5" (267 mm)	10.5" (267 mm)	9.8" (249 mm)	12.25" (311 mm)
Insulation O.D. Range	0.33"-0.50" (8,4-12,7 mm)	0.50"-0.70" (12,7-17,8 mm)	0.70"-0.92" (17,8-23,4 mm)	0.50"-0.70" (12,7-17,8 mm)
Conductor Size 3.3 kV 100% - IEC (JIS)	16-35 mm <sup>2</sup> (8-22 mm <sup>2</sup> )	50-95 mm <sup>2</sup> (38-60 mm <sup>2</sup> )	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	50-95 mm <sup>2</sup> (38-60 mm <sup>2</sup> )
Conductor Size 5.0 kV 100% - AEIC	8-2 AWG	1-3/0 AWG	4/0 AWG-400 kcmil	1-3/0 AWG
Conductor Size 6.6 kV 100% - IEC (JIS)	16-25 mm <sup>2</sup> (-)	35-70 mm <sup>2</sup> (-)	95-150 mm <sup>2</sup> (60-100 mm <sup>2</sup> )	35-70 mm <sup>2</sup> (-)
Conductor Size 8 kV 100% - AEIC	6-4 AWG	2-2/0 AWG	3/0 AWG-350 kcmil	2-2/0 AWG
Conductor Size 10 kV 100% - IEC	-	10-50 mm <sup>2</sup>	70-150 mm <sup>2</sup>	10-50 mm <sup>2</sup>
Conductor Size 15 kV 100% - IEC (AEIC)	-	16-25 mm <sup>2</sup> (-)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)	16-25 mm <sup>2</sup> (2-1 AWG)
Conductor Size 20 kV 100% - IEC	-	-	-	-
Conductor Size 25/28 kV 100% - AEIC	-	-	-	-
Conductor Size 30 kV 100% - IEC	-	-	-	-
Conductor Size 35 kV 100% - AEIC	-	-	-	-
	7692-S-4-3-RJS	7693-S-4-3-RJS	7695-S-4-3-RJS	7684-S-8-3-RJS
UPC	054007-04726	054007-04727	054007-04728	054007-04729
Skirts	4	4	4	8
BIL	150 kV	150 kV	150 kV	200 kV
Max. Installed Length	12.25" (311 mm)	12.25" (311 mm)	12.25" (311 mm)	20.5" (521 mm)
Insulation O.D. Range	0.70"-0.92" (17,8-23,4 mm)	0.92"-1.18" (23,4-30,0 mm)	1.18"-1.52" (30,0-38,6 mm)	0.92"-1.18" (23,4-30,0 mm)
Conductor Size 3.3 kV 100% - IEC (JIS)	120-185 mm <sup>2</sup> (100-150 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )
Conductor Size 5.0 kV 100% - AEIC	4/0 AWG-400 kcmil	500-750 kcmil	800-1000 kcmil	500-750 kcmil
Conductor Size 6.6 kV 100% - IEC (JIS)	95-150 mm <sup>2</sup> (60-100 mm <sup>2</sup> )	185-300 mm <sup>2</sup> (150-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )	185-300 mm <sup>2</sup> (150-250 mm <sup>2</sup> )
Conductor Size 8 kV 100% - AEIC	3/0 AWG-350 kcmil	400-600 kcmil	750-1000 kcmil	400-600 kcmil
Conductor Size 10 kV 100% - IEC	70-150 mm <sup>2</sup>	185-300 mm <sup>2</sup>	-	185-300 mm <sup>2</sup>
Conductor Size 15 kV 100% - IEC (AEIC)	35-95 mm <sup>2</sup> (1/0-4/0 AWG)	120-185 mm <sup>2</sup> (250-450 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)	120-185 mm <sup>2</sup> (250-450 kcmil)
Conductor Size 20 kV 100% - IEC	25-70 mm <sup>2</sup>	95-185 mm <sup>2</sup>	240-300 mm <sup>2</sup>	95-185 mm <sup>2</sup>
Conductor Size 25/28 kV 100% - AEIC	2-1/0 AWG	2/0 AWG-250 kcmil	300-500 kcmil	2/0 AWG-250 kcmil
Conductor Size 30 kV 100% - IEC	-	-	-	35-70 mm <sup>2</sup>
Conductor Size 35 kV 100% - AEIC	-	-	-	1/0-3/0 AWG

Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

**3M™ Cold Shrink QT-III Termination Kit 7600-S-3RJS Series for 5-35 kV (continued)**

	7685-S-8-3-RJS	7686-S-8-3-RJS
UPC	054007-04730	051128-59531
Skirts	8	8
BIL	200 kV	200 kV
Max. Installed Length	20.5" (521 mm)	21.5" (546 mm)
Insulation O.D. Range	1.18"-1.52" (30,0-38,6 mm)	1.53"-1.81" (38,8-46,0 mm)
Conductor Size 3.3 kV 100% - IEC (JIS)	- (300-325 mm <sup>2</sup> )	-
Conductor Size 5.0 kV 100% - AEIC	800-1000 kcmil	-
Conductor Size 6.6 kV 100% - IEC (JIS)	- (300-325 mm <sup>2</sup> )	-
Conductor Size 8 kV 100% - AEIC	750-1000 kcmil	-
Conductor Size 10 kV 100% - IEC	-	-
Conductor Size 15 kV 100% - IEC (AEIC)	200-325 mm <sup>2</sup> (500-750 kcmil)	-
Conductor Size 20 kV 100% - IEC	240-300 mm <sup>2</sup>	-
Conductor Size 25/28 kV 100% - AEIC	300-500 kcmil	750 kcmil
Conductor Size 30 kV 100% - IEC	95-240 mm <sup>2</sup>	240-325 mm <sup>2</sup>
Conductor Size 35 kV 100% - AEIC	4/0 AWG-500 kcmil	500-750 kcmil

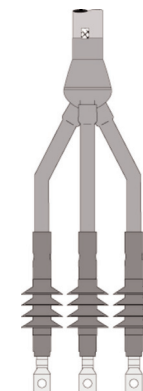
Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-INV-3W Series - 4 Skirt, for 5-25/28 kV

3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-INV-3W Series are skirted and designed for outdoor installations and can be used on three conductor cables without internal ground wires. These kits are designed to terminate medium voltage power cables rated up to 25/28 kV. Each termination kit has all of the materials required to make a three conductor termination. Lugs must be ordered separately.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	Yes
<b>Insulation Rejacketing</b>	Yes
<b>No. Skirts</b>	4
<b>Voltage</b>	3.3 kV, 5 kV, 6.6 kV, 8 kV, 10 kV, 15 kV, 20 kV, 25/28 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



	7693-S-4-INV-3W	7695-S-4-INV-3W
UPC	054007-04746	054007-04747
BIL	200 kV	200 kV
Max. Installed Length	16.0" (406 mm)	16.0" (406 mm)
Insulation O.D. Range	0.92"-1.18" (23,4-30,0 mm)	1.18"-1.52" (30,0-38,6 mm)
Conductor Size 3.3 kV IEC (JIS)	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )
Conductor Size 5.0 kV AEIC	500-750 kcmil	800-1000 kcmil
Conductor Size 6.6 kV JIS (IEC)	150-250 mm <sup>2</sup> (185-300 mm <sup>2</sup> )	300-325 mm <sup>2</sup> ( - )
Conductor Size 8 kV AEIC	400-600 kcmil	750-1000 kcmil
Conductor Size 10 kV IEC	185-300 mm <sup>2</sup>	-
Conductor Size 15 kV IEC (AEIC)	120-185 mm <sup>2</sup> (250-450 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)
Conductor Size 20 kV IEC	95-185 mm <sup>2</sup>	240-300 mm <sup>2</sup>
Conductor Size 25/28 kV AEIC	2/0 AWG-250 kcmil	300-500 kcmil

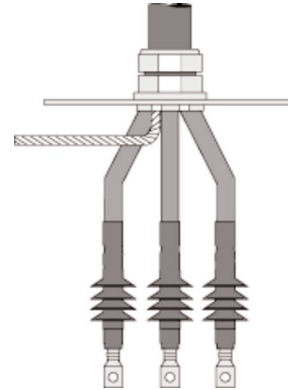
Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-INV-3RJS Series for 5-25/28 kV

3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-INV-3RJS Series are designed to accommodate medium voltage 3/C shielded power cable kits for 7600-3-RJS Series cabinet-mount installations and can be used on cables with or without ground wires. Each termination kit is supplied with all the materials required for terminating one three-conductor cable. Terminal and/or lug must be ordered separately.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	Yes
<b>No. Skirts</b>	4
<b>Voltage</b>	3.3 kV, 5 kV, 6.6 kV, 8 kV, 10 kV, 15 kV, 20 kV, 25/28 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



	7693-S-4-INV-3-RJS	7695-S-4-INV-3-RJS
UPC	054007-04720	054007-04721
BIL	200 kV	200
Max. Installed Length	16.0" (406 mm)	16.0" (406 mm)
Insulation O.D. Range	0.92"-1.18" (23,4-30,0 mm)	1.18-1.52" (30,0-38,6 mm)
Conductor Size 3.3 kV IEC (JIS)	240-300 mm <sup>2</sup> (200-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )
Conductor Size 5.0 kV AEIC	500-750 kcmil	800-1000 kcmil
Conductor Size 6.6 kV IEC (JIS)	185-300 mm <sup>2</sup> (150-250 mm <sup>2</sup> )	- (300-325 mm <sup>2</sup> )
Conductor Size 8 kV AEIC	400-600 kcmil	750-1000 kcmil
Conductor Size 10 kV IEC	185-300 mm <sup>2</sup>	-
Conductor Size 15 kV IEC (AEIC)	120-185 mm <sup>2</sup> (250-450 kcmil)	200-325 mm <sup>2</sup> (500-750 kcmil)
Conductor Size 20 kV IEC	95-185 mm <sup>2</sup>	240-300 mm <sup>2</sup>
Conductor Size 25/28 kV AEIC	2/0 AWG-250 kcmil	300-500 kcmil

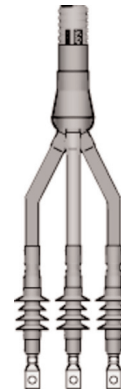
Three Core Tape Shield, Wire Shield & UniShield® Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-4-INV-3G Series for 5-25 kV

The 3M™ Cold Shrink QT-III Inverted Termination Kit 7600-S-4-INV-3G Series are skirted and designed for outdoor installations and can be used on three conductor cables with internal ground wires. They are designed to terminate medium voltage power cables rated up to 25 kV. Each termination kit has sufficient material to make a one three-conductor termination. Lugs must be ordered separately.

\*For Wire or UniShield® shielding, please contact 3M for technical assistance.

<b>Number of Conductors</b>	Three Conductor
<b>Shielding Type</b>	Tape Shield (Armored or Unarmored), Wire Shield*, UniShield®*
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	Yes
<b>Insulation Rejacketing</b>	Yes
<b>No. Skirts</b>	4
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV
<b>Packaging</b>	1 kit per case (one three-phase termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Cable O.D.	Conductor Size 5 kV 100% (133%)	Conductor Size 8 kV 100% (133%)	Conductor Size 15 kV 100% (133%)	Conductor Size 25/28 kV 100% (133%)
7693-S-4-INV-3G	054007-43677	200 kV	16.0" (406 mm)	0.92"-1.18" (23,4-30,0 mm)	3.90" (99,1 mm)	400-500 kcmil (400-500 kcmil)	400-500 kcmil (400-500 kcmil)	250-350 kcmil (4/0 AWG-350 kcmil)	2/0 AWG-250 kcmil (1-4/0 AWG)
7695-S-4-INV-3G	054007-43678	200 kV	16.0" (406 mm)	1.18"-1.52" (30,0-38,4 mm)	4.50" (114,3 mm)	700-1000 kcmil (700-1000 kcmil)	700-1000 kcmil (700-1000 kcmil)	500-750 kcmil (500-750 kcmil)	350-500 kcmil (250-500 kcmil)

# 3M™ Medium Voltage Terminations for Single Core Tape Shield, Wire-Over-Tape Shield and Longitudinally Corrugated (LC) Shield Cable, 5 kV - 35 kV

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Single Core Tape Shield, Wire-Over-Tape Shield & LC Shield Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Indoor Kits

## 3M™ Cold Shrink QT-III Termination 7640-T-HSG & 7650-T-HSG Series for 5-35 kV

3M™ Cold Shrink QT-III Silicone Rubber Termination 7640-T-HSG and 7650-T-HSG Series are designed for applications requiring a high-ampacity ground. Each kit contains a one-piece, non-skirted, silicone rubber termination with high-ampacity ground assembly and is qualified as IEEE Standard 48 Class 1 for indoor and weather-protected applications. The termination assembly consists of a tubular insulator, high-dielectric constant (Hi-K) stress control tube, conformable Hi-K stress controlling compound and built-in environmental top seal. The insulator is made of a dark gray silicone rubber with excellent tracking resistance and hydrophobic properties. The complete assembly is pre-stretched and loaded onto a removable core which can be recycled. The kits are designed for terminating solid dielectric shielded power cable rated 5–35 kV, with tape shield, wire-over-tape shield and longitudinally corrugated (LC) shield constructions.

Each kit contains sufficient quantities of material to make one termination. Lugs need to be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire-Over-Tape Shield, Longitudinally Corrugated (LC) Shield
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>No. Skirts</b>	0
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one termination per kit)



Order No.	UPC	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 5 kV	Conductor Size 8 kV	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 35 kV
7642-T-HSG-110	054007-41765	110 kV	12.0" (305 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm <sup>2</sup> )	-	-
7644-T-HSG-110	054007-41767	110 kV	12.0" (305 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm <sup>2</sup> )	-	-
7645-T-HSG-110	054007-41769	110 kV	12.0" (305 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm <sup>2</sup> )	-	-
7646-T-HSG-110	054007-41771	110 kV	12.0" (305 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	-	-
7653-T-HSG-150	054007-41773	150 kV	16.0" (406 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0-300 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )	2-2/0 AWG (35-70 mm <sup>2</sup> )
7655-T-HSG-150	054007-41775	150 kV	16.0" (406 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm <sup>2</sup> )	250-800 kcmil (150-400 mm <sup>2</sup> )	3/0 AWG-600 kcmil (95-325 mm <sup>2</sup> )
7656-T-HSG-150	054007-41777	150 kV	16.0" (406 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	900-1750 kcmil (500-800 mm <sup>2</sup> )	700-1500 kcmil (400-725 mm <sup>2</sup> )

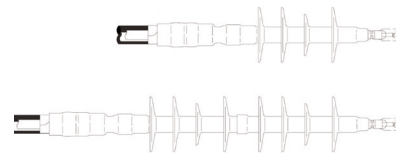
Single Core Tape Shield, Wire-Over-Tape Shield & LC Shield Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III High Fault Current Termination Kit 7650-S-HSG & 7660-S-HSG Series for 5-35 kV

3M™ Cold Shrink QT-III Terminations offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable. The unique step-core design combined with the built in Hi-K stress control and environmental sealing compounds means simpler installation on all types of cable. It has UV stability and track and erosion resistance. Plus its Hi-K stress control design delivers excellent BIL performance and lower surface stress resulting in a more compact termination. Through excellent engineering, 3M™ Cold Shrink QT-III terminations deliver maximum performance. The kits are designed for terminating solid dielectric shielded power cables rated 5–35 kV with tape shield, longitudinally corrugated (LC) shield, and wire-over-tape shield constructions.

Each kit contains sufficient quantities of material to make one single-phase termination. Lugs need to be ordered separately.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire-Over-Tape Shield, Longitudinally Corrugated (LC) Shield
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one single-phase termination per kit)



Order No.	UPC	Skirts	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 5 kV	Conductor Size 8 kV	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 35 kV
7652-S-HSG-4	054007-42171	4	150 kV	12.25" (311 mm)	0.64"-1.08" (16,3-27,4 mm)	4/0 AWG-400 kcmil	3/0 AWG-300 kcmil	2-4/0 AWG (35-120 mm <sup>2</sup> )	2-1/0 AWG (35-50 mm <sup>2</sup> )	-
7653-S-HSG-4	054007-42185	4	150 kV	12.25" (311 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )	-
7654-S-HSG-4	054007-42199	4	150 kV	12.25" (311 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm <sup>2</sup> )	2/0 AWG-250 kcmil (70-150 mm <sup>2</sup> )	-
7655-S-HSG-4	054007-42207	4	150 kV	12.25" (311 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm <sup>2</sup> )	250-800 kcmil (150-400 mm <sup>2</sup> )	-
7656-S-HSG-4	054007-42209	4	150 kV	13.25" (337 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	900-1750 kcmil (500-800 mm <sup>2</sup> )	-
7663-S-HSG-8	054007-42440	8	200 kV	20.50" (521 mm)	0.72"-1.29" (18,3-32,8 mm)	300-500 kcmil	250-500 kcmil	2/0 AWG-300 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )	2-2/0 AWG (35-70 mm <sup>2</sup> )
7664-S-HSG-8	054007-42454	8	200 kV	20.50" (521 mm)	0.83"-1.53" (21,1-38,9 mm)	500-750 kcmil	350-700 kcmil	4/0 AWG-500 kcmil (120-240 mm <sup>2</sup> )	2/0 AWG-250 kcmil (70-150 mm <sup>2</sup> )	2-4/0 AWG (35-120 mm <sup>2</sup> )

Single Core Tape Shield, Wire-Over-Tape Shield & LC Shield Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III High Fault Current Termination Kit 7650-S-HSG & 7660-S-HSG Series for 5-35 kV (continued)

Order No.	UPC	Skirts	BIL	Max. Installed Length	Insulation O.D. Range	Conductor Size 5 kV	Conductor Size 8 kV	Conductor Size 15 kV	Conductor Size 25/28 kV	Conductor Size 35 kV
7665-S-HSG-8	054007-42462	8	200 kV	20.50" (521 mm)	1.05"-1.80" (26,7-45,7 mm)	700-1500 kcmil	600-1250 kcmil	500-1000 kcmil (240-500 mm <sup>2</sup> )	250-800 kcmil (125-400 mm <sup>2</sup> )	3/0 AWG- 600 kcmil (95-325 mm <sup>2</sup> )
7666-S-HSG-8	054007-42464	8	200 kV	21.50" (546 mm)	1.53"-2.32" (38,9-58,9 mm)	1750-2000 kcmil	1500-2000 kcmil	1250-2000 kcmil (625-1000 mm <sup>2</sup> )	900-1750 kcmil (500-800 mm <sup>2</sup> )	700-1500 kcmil (400-725 mm <sup>2</sup> )

Single Core Tape Shield, Wire-Over-Tape Shield & LC Shield Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

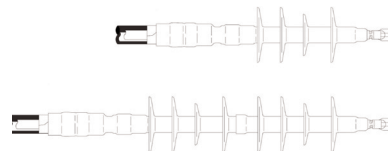
## 3M™ Cold Shrink QT-III High Fault Current Termination Kit 7650-S-HSG & 7660-S-HSG Series (w/ Connector) for 5-35 kV

3M™ Cold Shrink QT-III Terminations offer easy installation and reliable performance when terminating indoor and outdoor medium voltage cable. The unique step-core design combined with the built in Hi-K stress control and environmental sealing compounds means simpler installation on all types of cable. It has UV stability and track and erosion resistance. Plus its Hi-K stress control design delivers excellent BIL performance and lower surface stress resulting in a more compact termination. Through excellent engineering, 3M™ Cold Shrink QT-III terminations deliver maximum performance. The kits are designed for terminating solid dielectric shielded power cables rated 5–35 kV with tape shield, longitudinally corrugated (LC) shield, and wire-over-tape shield constructions.

Each kit contains sufficient quantities of material to make one single-phase termination.

NOTE: Lug or mounting bracket included. These termination kits use 3M™ Scotchlok™ Copper Lugs 30000 Series and 31000 Series, 3M™ Scotchlok™ Aluminum Lugs 40000 Series, or or 3M™ Stem Connectors SC Series. See Lugs and Connectors for more information about these accessories.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire-Over-Tape Shield, Longitudinally Corrugated (LC) Shield
<b>Indoor/Outdoor</b>	Outdoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	Yes
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV, 35 kV
<b>Packaging</b>	1 kit per case (one single-phase termination per kit)



	7652-S-HSG-4-1/0	7652-S-HSG-4-2	7652-S-HSG-4-2/0	7652-S-HSG-4-3/0
UPC	054007-42172	054007-42173	054007-42174	054007-42176
Skirts	4	4	4	4
BIL	150 kV	150 kV	150 kV	150 kV
Max. Installed Length	12.25" (311 mm)	12.25" (311 mm)	12.25" (311 mm)	12.25" (311 mm)
Insulation O.D. Range	0.64"-1.08" (16,3-27,4 mm)	0.64"-1.08" (16,3-27,4 mm)	0.64"-1.08" (16,3-27,4 mm)	0.64"-1.08" (16,3-27,4 mm)
Conductor Size 5 kV	-	-	-	-
Conductor Size 8 kV	-	-	-	3/0 AWG (95 mm <sup>2</sup> )
Conductor Size 15 kV	1/0 AWG (50 mm <sup>2</sup> )	2 AWG (35 mm <sup>2</sup> )	2/0 AWG (70 mm <sup>2</sup> )	3/0 AWG (95 mm <sup>2</sup> )
Conductor Size 25/28 kV	1/0 AWG (50 mm <sup>2</sup> )	2 AWG (35 mm <sup>2</sup> )	-	-
Conductor Size 35 kV	-	-	-	-
Lug/Stem Connector Included	(1) SC0010 Stem Connector	(1) SC0001 Stem Connector	(1) SC0020 Stem Connector	(1) SC0030 Stem Connector
Mounting Bracket Included	No	No	No	No

Single Core Tape Shield, Wire-Over-Tape Shield & LC Shield Cable, 5–35 kV: 3M™ Cold Shrink QT-III Terminations: Outdoor Skirted Kits

## 3M™ Cold Shrink QT-III High Fault Current Termination Kit 7650-S-HSG & 7660-S-HSG Series (w/ Connector) for 5-35 kV (continued)

	7652-S-HSG-4-4/0	7653-S-HSG-4-4/0	7654-S-HSG-4-4/0	7655-S-HSG-4-MB5
UPC	054007-42177	054007-42191	054007-42202	054007-43393
Skirts	4	4	4	4
BIL	150 kV	150 kV	150 kV	150 kV
Max. Installed Length	12.25" (311 mm)	12.25" (311 mm)	12.25" (311 mm)	12.25" (311 mm)
Insulation O.D. Range	0.64"-1.08" (16,3-27,4 mm)	0.72"-1.29" (18,3-32,8 mm)	0.83"-1.53" (21,1-38,9 mm)	1.05"-1.80" (26,7-45,7 mm)
Conductor Size 5 kV	4/0 AWG	-	-	700-1500 kcmil
Conductor Size 8 kV	4/0 AWG	-	-	600-1250 kcmil
Conductor Size 15 kV	4/0 AWG (120 mm <sup>2</sup> )	4/0 AWG (120 mm <sup>2</sup> )	4/0 AWG (120 mm <sup>2</sup> )	500-1000 kcmil (240-500 mm <sup>2</sup> )
Conductor Size 25/28 kV	-	4/0 AWG (120 mm <sup>2</sup> )	4/0 AWG (120 mm <sup>2</sup> )	250-800 kcmil (150-400 mm <sup>2</sup> )
Conductor Size 35 kV	-	-	-	-
Lug/Stem Connector Included	(1) SC0040 Stem Connector	(1) SC0040 Stem Connector	(1) SC0040 Stem Connector	No
Mounting Bracket Included	No	No	No	(1) MB5 Mounting Bracket
	7655-S-HSG-4-MB6	7663-S-HSG-8-1/0		
UPC	054007-44276	054007-42441		
Skirts	4	8		
BIL	150 kV	200 kV		
Max. Installed Length	12.25" (311 mm)	20.50" (520 mm)		
Insulation O.D. Range	1.05"-1.80" (26,7-45,7 mm)	0.72"-1.29" (18,3-32,8 mm)		
Conductor Size 5 kV	700-1500 kcmil	-		
Conductor Size 8 kV	600-1250 kcmil	-		
Conductor Size 15 kV	500-1000 kcmil (240-500 mm <sup>2</sup> )	-		
Conductor Size 25/28 kV	250-800 kcmil (150-400 mm <sup>2</sup> )	1/0 AWG (50 mm <sup>2</sup> )		
Conductor Size 35 kV	-	1/0 AWG (50 mm <sup>2</sup> )		
Lug/Stem Connector Included	No	(1) SC0010 Stem Connector		
Mounting Bracket Included	(1) MB6 Mounting Bracket	No		

# Tape Termination Kits, 5 kV – 25/28 kV

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## Scotch® Tape Termination Kits 5700 Series for 5–25/28 kV

Scotch® Tape Termination Kits 5700 Series are designed to terminate solid dielectric shielded power cables rated 5–25/28 kV with tape shield, wire shield, UniShield® and concentric neutral (CN) construction in weather-protected areas. They can be upgraded to Class 1 (indoors only) with the use of Scotch® Silicone Rubber Electrical Tape 70 (see kit instructions).

Lugs are not included and must be ordered separately.

Note: For 25/28 kV applications using the 5703 termination kit, additional tapes must be purchased: (2) rolls of Scotch® High Voltage Splicing Tape 130C; (5) rolls of Scotch® Silicone Rubber Electrical Tape 70; and (1) roll of Scotch® Super 33+™ Vinyl Electrical Tape.

<b>Number of Conductors</b>	Single Conductor
<b>Shielding Type</b>	Tape Shield, Wire Shield, UniShield®, Concentric Neutral (CN)
<b>Indoor/Outdoor</b>	Indoor
<b>Breakout Boot</b>	No
<b>Insulation Rejacketing</b>	No
<b>Number of Skirts</b>	0
<b>Voltage</b>	5 kV, 8 kV, 15 kV, 25/28 kV
<b>Packaging</b>	3 kits per case (three terminations per kit)



Order No.	UPC	Max. Installed Length	Conductor Size 5 kV	Conductor Size 8 kV	Conductor Size 15 kV	Conductor Size 25/28 kV
5701	054007-11248	Wire Shielded Cable, 5 kV: 12.75" (323,9 mm) Wire Shielded Cable, 8 kV: 15" (381,0 mm) Wire Shielded Cable, 15 kV: 20" (508,0 mm) UniShield®, 5 kV: 11.25" (285,8 mm) UniShield®, 8 kV: 13.5" (342,9 mm) UniShield®, 15 kV: 18.5" (469,9 mm) Concentric Neutral, 5 kV: 11.25" (285,8 mm) Concentric Neutral, 8 kV: 13.5" (342,9 mm) Concentric Neutral, 15 kV: 18.5" (469,9 mm)	8-4/0 AWG (10-100 mm²)	8-4/0 AWG (10-100 mm²)	8-4/0 AWG (10-100 mm²)	-
5702	054007-11255	Wire Shielded Cable, 5 kV: 12.75" (323,9 mm) Wire Shielded Cable, 8 kV: 15" (381,0 mm) Wire Shielded Cable, 15 kV: 20" (508,0 mm) UniShield®, 5 kV: 11.25" (285,8 mm) UniShield®, 8 kV: 13.5" (342,9 mm) UniShield®, 15 kV: 18.5" (469,9 mm) Concentric Neutral, 5 kV: 11.25" (285,8 mm) Concentric Neutral, 8 kV: 13.5" (342,9 mm) Concentric Neutral, 15 kV: 18.5" (469,9 mm)	250-1000 kcmil (150-500 mm²)	250-1000 kcmil (150-500 mm²)	250-750 kcmil (150-325 mm²)	-
5703	054007-11263	Wire Shielded Cable, 15 kV: 20" (508,0 mm) UniShield®, 15 kV: 18.5" (469,9 mm) Concentric Neutral, 15 kV: 18.5" (469,9 mm) Tape Shield, 15 kV: 20" (508,0 mm)	-	-	800-1000 kcmil (400-500 mm²)	800-1000 kcmil (400-500 mm²)

# Non-Shielded Cable

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## Non-Shielded Cable

### 3M™ Cold Shrink Termination Kits 5610-A Series for 5 & 8 kV Non-Shielded Cables

3M™ Cold Shrink Termination Kits 5610-A series provide an environmental seal to the terminal lug area of 5–8 kV unshielded power cable. Each kit contains material needed to seal three cable ends. Terminal lug must be ordered separately. Kits can be used for both indoor (protected) and outdoor (weather-exposed) applications.

The silicone rubber provides tracking protection for the lug ends of the cable.

Number of Conductors	Single Conductor
Shielding Type	Non-Shielded
Indoor/Outdoor	Both
Breakout Boot	No
Insulation Rejacketing	No
No. Skirts	0
Voltage	5 kV, 8 kV
Packaging	1 kit per case



Order No.	UPC	Max. Installed Length	Cable Insulation O.D.	Conductor Size 5 kV & 8 kV
5611A	054007-49549	7.5" (191 mm)	0.31"-0.72" (7,9-18,3 mm)	8-4 AWG (10-16 mm <sup>2</sup> )
5612A	054007-49550	8.0" (203 mm)	0.44"-0.95" (11,2-24,1 mm)	2-2/0 AWG (35-60 mm <sup>2</sup> )
5613A	054007-49551	8.0" (203 mm)	0.56"-1.18" (14,2-30,0 mm)	3/0 AWG-300 kcmil (95-150 mm <sup>2</sup> )
5614A	054007-49552	8.0" (203 mm)	0.95"-1.94" (24,1-49,3 mm)	350-1000 kcmil (185-500 mm <sup>2</sup> )